

INDEX TO VOLUME 75

A

ABDOMEN

- See also under names of abdominal organs and structures
- syndrome featuring defects of heart, sterna, diaphragm, and anterior abdominal wall (ab), I. Hunter Crittenden et al., July, 147
- abcess**
 - radiological aspects of abdominal abscesses (ab), J. J. Martin, Dec., 992
- acute conditions**
 - use of contrast media in investigation of acute abdomen (ab), Eric Samuel, Dec., 992
- blood supply.** See Abdomen, fibrosis; Aorta, roentgenography
- fibrosis**
 - retroperitoneal fibrosis: an anatomic and radiologic review with report of 4 new cases and an explanation of pathogenesis, Joseph Dineen, Thane Asch and John M. Pearce, Sept., 380
- pain**
 - psychosomatic approach to recurrent abdominal pain in childhood, with particular reference to x-ray appearances of stomach (ab), Sv. Hegild et al., Dec., 984

roentgenography. See also Pneumography

- electrocardiographic and radiographic findings in acute arsenic poisoning (ab), Aristides G. Gousios and Lester Adelson, Aug., 330

tumors

- perforation of stomach due to retroperitoneal neurinoma; case (ab), J. Röka and L. Holzinger, Aug., 320

wounds and injuries

- radiologic diagnosis in abdominal trauma (ab), J. H. Woodward Jr. and J. H. Simanton, Aug., 330

ABEL, MARTIN S. Radiologic aspects of moderately severe cervical spine trauma (ab), July, 158
ABERNATHY, ROBERT S. Clinical manifestations of pulmonary blastomycosis (ab), Aug., 311
ABRAMS, HERBERT L. See BOOKSTEIN, JOSEPH J.
ABSCESS

- See also Abdomen, abscess

subphrenic

- diagnosis of left-sided subphrenic abscess (ab), Martin C. Rosner and Morton A. Bosniak, Sept., 500

ACEPHALUS. See Monsters
ACETABULUM

- etiology, development, and effect upon pregnancy of protrusion acetabuli (Otto pelvis) (ab), H. H. Francis, July, 162

ACETYLCHOLINE

- coronary arteriography during induced cardiac arrest (with acetylcholine) and aortic occlusion (ab), Charles T. Dotter et al., Sept., 494

- coronary arteriography with aid of acetylcholine (ab), G. Arnulf and P. Buffard, Dec., 981

ACID
desoxyribonucleic. See Nucleins
fatty

- oxidation to $C^{14}O_2$ and conversion to fatty acids of C^{14} -glucose in livers of normal, fasted and x-irradiated rats (ab), John G. Coniglio et al., Aug., 341

nucleic. See Nucleins
ACRO-OSTEOLYSIS. See Osteolysis
ADAMS, ANDREW B. See GILROY, JAMES S.
ADAMS, FORTRESS H. See CRITTENDEN, I. HUNTER
ADELSON, LESTER. See GOUSIOS, ARISTIDES G.
ADENOMA. See Trachea, tumors
ADENOMATOSIS. See Endocrine Glands
ADENOVIRUS. See Viruses
ADOLESCENCE

- evaluation of abnormal stature in adolescent and young adult (ab), Thomas W. Burns, Oct., 674

ADRENALINE. See Adrenal Preparations
ADRENAL PREPARATIONS

- See also Adrenocortical Preparations

- effect of whole-body x-irradiation on adrenal medulla and hormones: adrenaline and noradrenaline (ab), McC. Goodall and Merritt Long, Oct., 689

ADRENALS

- See also Cushing's Syndrome

- effect of whole-body x-irradiation on adrenal medulla and hormones: adrenaline and noradrenaline (ab), McC. Goodall and Merritt Long, Oct., 689

calcification

- idiopathic adrenal calcification in infants and children (ab), J. Luther Jarvis and William B. Seaman, July, 163

cysts

- calcified adrenal cysts (ab), A. J. Palubinskas et al., Sept., 506

ADRENOCORTICAL PREPARATIONS

- acute atrophy of thymus induced by adrenocortico steroids, observed roentgenographically in living human infants; preliminary report (ab), John Caffey and Charles di Liberti, Sept., 492

- peptic ulcer associated with corticosteroid therapy: serial roentgenographic studies, James G. Bulgrin, Edmund L. Dubois and George Jacobson, Nov., 712

- radiological bone changes in Cushing's syndrome and steroid therapy (ab), R. O. Murray, Nov., 850

—some factors altering severity of acute radiation pneumonitis: variation with cortisone, heparin, and antibiotics, William T. Moss, Francis J. Haddy and Sanford K. Sweany, July, 50

AEROSOLS

- emergency respiratory protection against radiological and biological aerosols (ab), H. Gerald Guyton et al., Sept., 516

AET

- bone-marrow transplantation and chemical protection in radiotherapy of mouse-leukemia; preliminary communication (ab), Emanuel E. Schwartz, July, 169

AFRICA

- preliminary statistical survey of carcinoma of esophagus in African with special reference to acquired esophageal fistulae (ab), Joseph Katz and George Cohen, July, 151

AGNEW, COLVIN H., and COOLEY, ROBERT N. Abdominal aortography (ab), Oct., 662
AHMAD, KAMALUDDIN. See GARCIA, ANTONIO M.
AIR INSUFFLATION. See Intussusception; Pneumography
ALBUMIN. See Albuminuria; Blood, proteins
ALBUMINURIA

- massive albuminuria following aortography (ab), James A. Kirkland, Oct., 663

- Orabiles and pseudoalbuminuria, Lloyd K. Mark, Morris Moel, Norbert Enzer and Edith Volk, Dec., 954

ALFTINE, DAVID. See HICKEY, ROBERT C.
ALIMENTARY TRACT. See Gastrointestinal Tract
ALLEGRAZIA, A., GUIDOTTI, G., LEVI SETTI, R., and POLVANI, F. Autoradiographic detection in tissues of tubercle bacilli labelled with acetate- ^{14}C (ab), Oct., 685
ALLEN, HARRY, and FRANZEN, IRVIN. Mass photofluorography: an analysis of its use for detection of lung cancer (ab), Oct., 658
ALPEN, E. L., and BAUM, S. J. Autologous bone-marrow implantation after fast neutron irradiation of dogs (ab), July, 170
—See BAUM, S. J.
ALVARES, LUIZ. See de SOUSA, AYRES
AMERICAN BOARD OF RADIOLOGY

- examination fee, Aug., 296

- examinations in 1961, Dec., 963

AMERICAN REGISTRY OF X-RAY TECHNICIANS, Nov., 825
AMPLATZ, KURT. Vascular injector with program selector, Dec., 955
AMPULLA
phrenic. See Esophagus
Vater's. See Vater's Ampulla
AMUNDSEN, PER. Diagnostic value of conventional radiological examination of the heart in adults (ab), Aug., 313
ANDERSON, F. J. See MARTIN, J. H.
ANDERSON, ROBERT M. See KAY, JEROME HAROLD
de ANDRADE e SILVA, U. See de FARIA, J., LOPEZ
ANDREWS, J. ROBERT, SWARM, RICHARD L., SCHLACHER, LAWRENCE, BRACE, KIRKLAND C., RUBIN, PHILIP, BERGENSTAL, DELBERT M., GUMP, HAZEL, SIEGEL, SIDNEY, and SWAIN, ROBERT W. The effects of one curie of sulfur-35 administered intravenously as sulfate to a man with advanced chondrosarcoma (ab), Nov., 862
ANDREWS, NEIL C., PRATT, PHILIP C., and CHRISTOFORIDIS, A. J. Bronchogenic cysts in patients presumed to have pulmonary tuberculosis (ab), Aug., 310
ANEMIA

- studies on anemia of tumor-bearing animals. IV. Distribution of radioiron after extravascular injection of labeled erythrocytes (ab), Robert E. Greenfield et al., Nov., 863

hemolytic

- determination of Cr-51-tagged erythrocyte survival in hemolytic anemia during therapy (ab), W. Scheitlin and P. Frick, Dec., 996

hypochromic

- sideropenic webs in men in patients with iron-deficiency anemia (ab), F. J. Brunton and R. E. Eban, Nov., 846

- skull changes in infants with chronic iron-deficiency anemia (ab), Nasrollah T. Shahidi and Louis K. Diamond, Nov., 842

iron-deficiency. See Anemia, hypochromic
pernicious

- absorption of radioactive B₁₂ in patients with pernicious anemia after long-term oral and parenteral therapy (ab), P. J. Fouts et al., Dec., 995

- intestinal absorption of liver-bound radiovitamin B₁₂ in patients with pernicious anemia and in controls (ab), P. G. Reizenstein and W. Nyberg, Aug., 340

- pernicious anemia and gastric carcinoma (ab), M. Siurala et al., July, 153

sickle-cell

- bone changes in sickle-cell anemia and its genetic variants (ab), J. S. R. Golding et al., Sept., 500

ANESTHESIA

- pneumoencephalography and air embolism: simulated anesthetic death (ab), Jay Jacoby et al., Sept., 486

ANEURYSM
aortic

- dilatation of aortic sinuses in Marfan syndrome: roentgen findings in 5 new cases (ab), Israel Steinberg, Dec., 980

INDEX TO VOLUME 75

A

ABDOMEN

- See also under names of abdominal organs and structures
- syndrome featuring defects of heart, sterna, diaphragm, and anterior abdominal wall (ab), I. Hunter Crittenden et al., July, 147
- abscess**
 - radiological aspects of abdominal abscesses (ab), J. J. Martin, Dec., 992
- acute conditions**
 - use of contrast media in investigation of acute abdomen (ab), Eric Samuel, Dec., 992
- blood supply.** See Abdomen, fibrosis; Aorta, roentgenography
- fibrosis**
 - retroperitoneal fibrosis: an anatomic and radiologic review with report of 4 new cases and an explanation of pathogenesis, Joseph Dineen, Thane Asch and John M. Pearce, Sept., 380
- pain**
 - psychosomatic approach to recurrent abdominal pain in childhood, with particular reference to x-ray appearances of stomach (ab), Sv. Hennil et al., Dec., 984

roentgenography. See also Pneumography

- electrocardiographic and radiographic findings in acute arsenic poisoning (ab), Aristides G. Gousios and Lester Adelson, Aug., 330

tumors

- perforation of stomach due to retroperitoneal neurinoma; case (ab), J. Röka and L. Holzinger, Aug., 320

wounds and injuries

- radiologic diagnosis in abdominal trauma (ab), J. H. Woodward Jr. and J. H. Simanton, Aug., 330

ABEL, MARTIN S. Radiologic aspects of moderately severe cervical spine trauma (ab), July, 158
ABERNATHY, ROBERT S. Clinical manifestations of pulmonary blastomycosis (ab), Aug., 311
ABRAMS, HERBERT L. See BOOKSTEIN, JOSEPH J.
ABSCESS

- See also Abdomen, abscess

subphrenic

- diagnosis of left-sided subphrenic abscess (ab), Martin C. Rosner and Morton A. Bosniak, Sept., 500

ACEPHALUS. See Monsters
ACETABULUM

- etiology, development, and effect upon pregnancy of protrusion acetabuli (Otto pelvis) (ab), H. H. Francis, July, 162

ACETYLCHOLINE

- coronary arteriography during induced cardiac arrest (with acetylcholine) and aortic occlusion (ab), Charles T. Dotter et al., Sept., 494

- coronary arteriography with aid of acetylcholine (ab), G. Arnulf and P. Buffard, Dec., 981

ACID
desoxyribonucleic. See Nucleins
fatty

- oxidation to $C^{14}O_2$ and conversion to fatty acids of C^{14} -glucose in livers of normal, fasted and x-irradiated rats (ab), John G. Coniglio et al., Aug., 341

nucleic. See Nucleins
ACRO-OSTEOLYSIS. See Osteolysis
ADAMS, ANDREW B. See GILROY, JAMES S.
ADAMS, FORTRESS H. See CRITTENDEN, I. HUNTER
ADELSON, LESTER. See GOUSIOS, ARISTIDES G.
ADENOMA. See Trachea, tumors
ADENOMATOSIS. See Endocrine Glands
ADENOVIRUS. See Viruses
ADOLESCENCE

- evaluation of abnormal stature in adolescent and young adult (ab), Thomas W. Burns, Oct., 674

ADRENALINE. See Adrenal Preparations
ADRENAL PREPARATIONS

- See also Adrenocortical Preparations

- effect of whole-body x-irradiation on adrenal medulla and hormones: adrenaline and noradrenaline (ab), McC. Goodall and Merritt Long, Oct., 689

ADRENALS

- See also Cushing's Syndrome

- effect of whole-body x-irradiation on adrenal medulla and hormones: adrenaline and noradrenaline (ab), McC. Goodall and Merritt Long, Oct., 689

calcification

- idiopathic adrenal calcification in infants and children (ab), J. Luther Jarvis and William B. Seaman, July, 163

cysts

- calcified adrenal cysts (ab), A. J. Palubinskas et al., Sept., 506

ADRENOCORTICAL PREPARATIONS

- acute atrophy of thymus induced by adrenocortico steroids, observed roentgenographically in living human infants; preliminary report (ab), John Caffey and Charles di Liberti, Sept., 492

- peptic ulcer associated with corticosteroid therapy: serial roentgenographic studies, James G. Bulgrin, Edmund L. Dubois and George Jacobson, Nov., 712

- radiological bone changes in Cushing's syndrome and steroid therapy (ab), R. O. Murray, Nov., 850

—some factors altering severity of acute radiation pneumonitis: variation with cortisone, heparin, and antibiotics, William T. Moss, Francis J. Haddy and Sanford K. Sweany, July, 50

AEROSOLS

- emergency respiratory protection against radiological and biological aerosols (ab), H. Gerald Guyton et al., Sept., 516

AET

- bone-marrow transplantation and chemical protection in radiotherapy of mouse-leukemia; preliminary communication (ab), Emanuel E. Schwartz, July, 169

AFRICA

- preliminary statistical survey of carcinoma of esophagus in African with special reference to acquired esophageal fistulae (ab), Joseph Katz and George Cohen, July, 151

AGNEW, COLVIN H., and COOLEY, ROBERT N.: Abdominal aortography (ab), Oct., 662
AHMAD, KAMALUDDIN. See GARCIA, ANTONIO M.
AIR INSUFFLATION. See Intussusception; Pneumography
ALBUMIN. See Albuminuria; Blood, proteins
ALBUMINURIA

- massive albuminuria following aortography (ab), James A. Kirkland, Oct., 663

- Orabiles and pseudoalbuminuria, Lloyd K. Mark, Morris Moel, Norbert Enzer and Edith Volk, Dec., 954

ALFTINE, DAVID. See HICKEY, ROBERT C.
ALIMENTARY TRACT. See Gastrointestinal Tract
ALLEGRAZIA, A., GUIDOTTI, G., LEVI SETTI, R., and POLVANI, F.: Autoradiographic detection in tissues of tubercle bacilli labelled with acetate- ^{14}C (ab), Oct., 685
ALLEN, HARRY, and FRANZEN, IRVIN. Mass photofluorography: an analysis of its use for detection of lung cancer (ab), Oct., 658
ALPEN, E. L., and BAUM, S. J.: Autologous bone-marrow implantation after fast neutron irradiation of dogs (ab), July, 170
—See BAUM, S. J.
ALVARES, LUIZ. See de SOUSA, AYRES
AMERICAN BOARD OF RADIOLOGY

- examination fee, Aug., 296

- examinations in 1961, Dec., 963

AMERICAN REGISTRY OF X-RAY TECHNICIANS, Nov., 825
AMPLATZ, KURT. Vascular injector with program selector, Dec., 955
AMPULLA
phrenic. See Esophagus
Vater's. See Vater's Ampulla
AMUNDSEN, PER. Diagnostic value of conventional radiological examination of the heart in adults (ab), Aug., 313
ANDERSON, F. J. See MARTIN, J. H.
ANDERSON, ROBERT M. See KAY, JEROME HAROLD
de ANDRADE e SILVA, U. See de FARIA, J., LOPEZ
ANDREWS, J. ROBERT, SWARM, RICHARD L., SCHLACHER, LAWRENCE, BRACE, KIRKLAND C., RUBIN, PHILIP, BERGENSTAL, DELBERT M., GUMP, HAZEL, SIEGEL, SIDNEY, and SWAIN, ROBERT W.: The effects of one curie of sulfur-35 administered intravenously as sulfate to a man with advanced chondrosarcoma (ab), Nov., 862
ANDREWS, NEIL C., PRATT, PHILIP C., and CHRISTOFORIDIS, A. J.: Bronchogenic cysts in patients presumed to have pulmonary tuberculosis (ab), Aug., 310
ANEMIA

- studies on anemia of tumor-bearing animals. IV. Distribution of radioiron after extravascular injection of labeled erythrocytes (ab), Robert E. Greenfield et al., Nov., 863

hemolytic

- determination of Cr-51-tagged erythrocyte survival in hemolytic anemia during therapy (ab), W. Scheitlin and P. Frick, Dec., 996

hypochromic

- sideropenic webs in men in patients with iron-deficiency anemia (ab), F. J. Brunton and R. E. Eban, Nov., 846

- skull changes in infants with chronic iron-deficiency anemia (ab), Nasrollah T. Shahidi and Louis K. Diamond, Nov., 842

iron-deficiency. See Anemia, hypochromic
pernicious

- absorption of radioactive B₁₂ in patients with pernicious anemia after long-term oral and parenteral therapy (ab), P. J. Fouts et al., Dec., 995

- intestinal absorption of liver-bound radiovitamin B₁₂ in patients with pernicious anemia and in controls (ab), P. G. Reizenstein and W. Nyberg, Aug., 340

- pernicious anemia and gastric carcinoma (ab), M. Siurala et al., July, 153

sickle-cell

- bone changes in sickle-cell anemia and its genetic variants (ab), J. S. R. Golding et al., Sept., 500

ANESTHESIA

- pneumoencephalography and air embolism: simulated anesthetic death (ab), Jay Jacoby et al., Sept., 486

ANEURYSM
aortic

- dilatation of aortic sinuses in Marfan syndrome: roentgen findings in 5 new cases (ab), Israel Steinberg, Dec., 980

ANEURYSM, aortic—cont.

- dissecting aneurysm of aorta; 2 cases diagnosed by angiography (ab), Bela Gondos et al., July, 147
- successful repair of sinus of Valsalva-left atrial fistula (ab), Jerome H. Kay et al., July, 150
- arteriovenous.** See *Fistula, arteriovenous*
- cardiac**
 - cardiac aneurysm with ventricular tachycardia and subsequent excision of aneurysm; case (ab), O. A. Couch, Jr., Aug., 315
- carotid**
 - intracavernous aneurysms of internal carotid artery: their clinical features and natural history (ab), S. P. Meadows, Aug., 307
- cerebral**
 - aneurysm of vein of Galen (ab), J. L. G. Thomson, Aug., 308
 - intracavernous. See *Aneurysm, carotid*
 - sinus of Valsalva. See *Aneurysm, aortic*
 - vein of Galen. See *Aneurysm, cerebral*
- aneurysm of renal artery causing hypertension; 3 cases (ab), Charles P. Mathé, Aug., 317

ANGIOCARDIOGRAPHY. See *Aneurysm, aortic; Cardiovascular System; Heart, abnormalities; Heart, diseases*

ANGIOGRAPHY. See *Aorta; Arteries; Brain, blood supply; Veins, popliteal; Venae Cavae; etc.*

ANGIOTOMOGRAPHY. See *Body-Section Roentgenography*

ANAMALAI, AL., RANGANATHAN, C., and RADHAKRISHNAN, M. A.: Pulmonary arteriovenous aneurysm with a major systemic component (ab), Oct., 664

ANTIBIOTICS

- some factors altering severity of acute radiation pneumonitis: variation with cortisone, heparin, and antibiotics, William T. Moss, Francis J. Haddy and Sanford K. Sweany, July, 50

ANTICOAGULANTS

- See also *Heparin*
- prevention of radiation lung damage (ab), A. G. W. Whitfield and W. H. Bond, Aug., 343

ANTON, GEORGE T. See *GUYTON, H. GERALD*

AORTA

- intra-aortic nitrogen mustard for the palliation of advanced pelvic cancer, G. M. Stevens, S. F. Thomas and B. C. Wilbur, Dec., 948
- microangiographic study of vasa vasorum of thoracic aorta, Ayres de Sousa and Luis Alvares, July, 91
- abnormalities**
 - congenital kinking of aortic arch (ab), J. N. Pattinson and R. G. Grainger, Aug., 315
 - right aortic arch simulating a mediastinal tumor; case (ab), Itaru Ohara, Oct., 662
- aneurysm.** See *Aneurysm, aortic*
- coarctation.** See *Aorta, stricture*
- occlusion.**
 - coronary arteriography during induced cardiac arrest and aortic occlusion (ab), Charles T. Dotter et al., Sept., 494

roentgenography

- abdominal aortography (ab), Colvin H. Agnew and Robert N. Cooley, Oct., 662
- aortic dissection due to translumbar aortography, with recovery following surgery (ab), Timothy Takaro et al., Oct., 663
- aortography in nephrolithiasis (ab), G. Collo and F. Favero, Dec., 990
- chylorax: a complication of translumbar aortography, Ferris E. Cook, Jr., Robert A. Flaherty, Charles L. Willmarth and Paul R. Langelier, Aug., 251
- fatal infarction of descending colon after lumbar aortography (ab), R. K. Padhi, Nov., 848
- intravenous aortography: its clinical application (ab), Eugene F. Bernstein et al., Nov., 844
- massive albuminuria following aortography (ab), James A. Kirkland, Oct., 663

-percutaneous aortocerebral angiography: a diagnostic and physiologic method, Goffredo G. Gensini and Arthur Ecker, Dec., 885

-puncture of thoracic lymph duct with chylorax: a rare complication of aortography, Enrique Schwarz, Aug., 248

-safe and practical intravenous method for abdominal aortography, peripheral arteriography, and cerebral angiography (ab), Israel Steinberg et al., Sept., 494

-thoracic aortography versus levoangiography (ab), A. Castellanos et al., July, 147

-visualization of pancreas by aortography (ab), William S. McCune and William W. Stanbro, Aug., 322

stricture

- coarctation of aorta: atypical localization central to origin of innominate artery (ab), M. Eiken, Dec., 980
- coarctation of aorta: relation between roentgenologic and hemodynamic findings, C. E. Gudbjerg and Olaf Petersen, Sept., 399

-radiologic study of stenosis of aortic isthmus: contribution of angiography; study of 116 cases (ab), P. Santy et al., Oct., 663

surgery. See *Aorta, roentgenography*

AORTIC SINUS. See *Aneurysm, aortic*

AORTIC VALVE

- study of combined mitral and aortic stenosis (ab), Joseph F. Urieccio et al., Aug., 314

AORTOGRAPHY. See *Aorta, roentgenography*

APONTE, GONZALES. See *HODGE, JOSEPH*

APPARATUS. See *Counters and Counting; Roentgen Rays, apparatus; etc.*

APPENDIX

- calculi**
 - appendicular calculi (ab), M. F. Butler, Sept., 498
- mucocoele**
 - mucocoele of appendix (ab), Richard H. Marshak and Arnold Gerson, Nov., 848

ARACHNODACTYLIA

- dilatation of aortic sinuses in Marfan syndrome: roentgen findings in 5 new cases (ab), Israel Steinberg, Dec., 980

ARACHNOID

- unusual myelographic pattern of arachnoiditis, Richard B. Mulvey, Nov., 778

ARCHIBALD, R. M., FINBY, N., and DE VITO, F.: Endocrine significance of short metacarpals (ab), Aug., 327

ARCOMANO, JOSEPH P., and BARNETT, JAMES C.: Diverticulum of the gallbladder. A report of three cases and a review of the literature (ab), Sept., 498

ARDRAN, G. M., and CROOKS, H. E.: Observations on the dose from dental x-ray procedures, with a note on radiography of the nasal bones (ab), July, 169

ARMS

- cervical diskography: a contribution to the etiology and mechanism of neck, shoulder, and arm pain (ab), Ralph B. Cloward, Oct., 674

ARNDT, J. H. See *GEVANTMAN, L. H.*

ARNHEIM, ERNEST E., SCHNECK, HERMAN, NORMAN, ALEX, and DREIZIN, DAVID H.: Mesenteric cysts in infancy and childhood. Review of the literature and report of a case (ab), Oct., 669

ARNOLD, HARRY L., Jr., and GRAUER, FRANKLIN H.: Keloids: etiology, and management by excision and intensive prophylactic radiation (ab), Dec., 994

ARNOLD-CHIARI MALFORMATION. See *Brain, abnormalities*

ARNULF, G., and BUFFARD, P.: Coronary arteriography with the aid of acetylcholine (ab), Dec., 981

ARSENIC

- electrocardiographic and radiographic findings in acute arsenic poisoning (ab), Aristides G. Gousios and Lester Adelson, Aug., 330

ARTERIES

See also *Aneurysm; Aorta; Arteriosclerosis; Cardiovascular System; Lungs, blood supply; etc.*

basilar

- abnormal communication between branches of internal carotid artery and basilar artery (carotid-basilar anastomosis) (ab), O. Wiedemann and E. Hipp, July, 142

-arteriographic study of cerebrovascular disease in man. I. Stenosis and occlusion of vertebral-basilar artery system (ab), John S. Meyer et al., Dec., 972

-occlusion of third ventricle by tortuous, bulbous, calcified basilar artery (ab), Hendrik J. Sviens and Luigi Peserico, Oct., 654

carotid. See also *Aneurysm, carotid*

- abnormal communications between branches of internal carotid artery and basilar artery (carotid-basilar anastomosis) (ab), O. Wiedemann and E. Hipp, July, 142

-angiographic demonstration of posterior communicating and posterior cerebral arteries. II. Pathologic angiography (ab), Georg-Fredrik Saltzman, July, 141

-angiography of internal carotid with use of catheter technic, P. Elvif, July, 80

-circulation through anterior communicating artery studied by carotid angiography (ab), Georg-Fredrik Saltzman, July, 142

-modern concepts concerning etiology and treatment of cerebrovascular accidents (ab), Robert A. Kuhn, Aug., 306

-occlusive disease of carotid artery: observations on prognosis and surgical treatment (ab), Alfred J. Lueshop, Sept., 493

-possible errors in arteriographic diagnosis of internal carotid artery occlusion, T. H. Newton and R. S. C. Couch, Nov., 766

-transcarotid coronary arteriography in man with emphasis on intercoronary arterial anastomosis, William Molnar, Charles V. Meckstroth, Sidney W. Nelson and Richard W. Booth, Aug., 185

-visualization of posterior cerebral artery by injection of carotid artery (ab), N. Martinez et al., Oct., 655

cerebral

-angiographic demonstration of posterior communicating and posterior cerebral arteries. II. Pathologic angiography (ab), Georg-Fredrik Saltzman, July, 141

-circulation through anterior communicating artery studied by carotid angiography (ab), Georg-Fredrik Saltzman, July, 142

-percutaneous aortocerebral angiography: a diagnostic and physiologic method, Goffredo G. Gensini and Arthur Ecker, Dec., 885

-proximal occlusion of anterior cerebral artery (ab), J. E. Webster et al., Dec., 972

-surgical treatment of atherosclerotic occlusive lesions in patients with cerebral arterial insufficiency (ab), E. Stanley Crawford et al., Aug., 306

-thrombolysis with fibrinolysis in cerebral arterial occlusion: role of angiography (ab), Bernard J. Sussman and Thomas S. P. Fitch, July, 142

-visualization of posterior cerebral artery by injection of carotid artery (ab), N. Martinez et al., Oct., 655

- ARTERIES—cont.**
- communicating
 - angiographic demonstration of posterior communicating and posterior cerebral arteries. II. Pathologic angiography (ab), Georg-Fredrik Saltzman, July, 141
 - circulation through anterior communicating artery studied by carotid angiography (ab), Georg-Fredrik Saltzman, July, 142
 - coronary.** See Coronary Vessels
 - innominate**
 - coarctation of aorta: atypical localization central to origin of innominate artery (ab), M. Eiken, Dec., 980
 - mammary**
 - problems of coronary arteriography; experiments on dogs with mammary-coronary anastomoses (ab), W. Porstmann and P. Kokkalis, Oct., 664
 - mesenteric**
 - arteriosclerotic duodenal occlusion; report of 8 proved cases (ab), Rudolfo M. Lontok and Kenneth W. Taber, Aug., 321
 - occlusion.** See also Arteries, carotid; Arteries, basilar; Arteries, cerebral; Arteriosclerosis; Brain, blood supply
 - Takayasu's disease; case with angiographic study (ab), John Cosma et al., Aug., 316
 - pulmonary**
 - congenital absence of right pulmonary artery with patent ductus arteriosus and auricular septal defect: angiographic diagnosis (ab), Giulio Tori and Gianfranco Garusi, July, 148
 - pulmonic stenosis due to compression of pulmonary artery by an intrapercardial tumor (ab), John A. Waldhausen et al., July, 148
 - pulsations in pulmonary arteries as observed with roentgenoscopic image amplification: observations in patients with isolated pulmonary valvular stenosis (ab), Brit B. Gay, Jr., and Rober H. Franch, Dec., 980
 - relationship between pulmonary arterial pressure and roentgenographic appearance in mitral stenosis (ab), Charles B. Moore et al., Aug., 314
 - vascular measurements of smokers and nonsmokers: differences seen in postero-anterior roentgenograms made with patient standing erect (ab), Josue Pagan-Carlo, Dec., 974
 - renal.** See also Aneurysm, renal
 - angiographic studies of anatomy of single and multiple renal arteries (ab), Erik Bojsen, Dec., 982
 - distribution of renal arterial circulation in dog (ab), Hans J. Klapproth, Aug., 317
 - roentgenography.** See also Bones, tumors; Coronary Vessels; Extremities, blood supply; other subheads under Arteries; etc.
 - angiography; preliminary report, Grover J. Liese, Aug., 272
 - percutaneous retrograde catheterization of left ventricle and systemic arteries of man, Charles T. Dotter and Goffredo G. Gensini, Aug., 171
 - subclavian**
 - arteriographic demonstration of vertebral artery with special reference to percutaneous subclavian puncture (ab), Leon Morris, Aug., 307
 - vertebral**
 - arteriographic demonstration of vertebral artery with special reference to percutaneous subclavian puncture (ab), Leon Morris, Aug., 307
 - arteriographic study of cerebrovascular disease in man. I. Stenosis and occlusion of vertebral-basilar system (ab), John S. Meyer et al., Dec., 972
 - modern concepts concerning etiology and treatment of cerebrovascular accidents (ab), Robert A. Kuhn, Aug., 306
- ARTERIOGRAPHY.** See Arteries; Bones, tumors; Coronary Vessels; Extremities; etc.
- ARTERIOSCLEROSIS**
- effect of triton on triton I^{131} distribution in atherosclerotic rabbit tissues (ab), Sanford O. Byers et al., Sept., 513
 - localization and retention of triton I^{131} in various tissues of atherosclerotic rabbit (ab), Leland Felton et al., Aug., 338
 - surgical treatment of atherosclerotic occlusive lesions in patients with cerebral arterial insufficiency (ab), E. Stanley Crawford et al., Aug., 306
- ARTHRITIS.** See Arthritis, Rheumatoid; Hip
- ARTHRITIS, RHEUMATOID**
- magnified roentgenography in rheumatology (ab), José V. Rosa, Dec., 989
 - pleural and pulmonary complications of rheumatoid arthritis (ab), A. R. Horler and Malcolm Thompson, Oct., 660
 - psoriatic arthritis: a roentgenologic study, Rogelio Avila, David G. Pugh, Charles H. Slocumb and R. K. Winkelmann, Nov., 691
 - rheumatoid lung disease; case which developed in childhood (ab), Geoffrey L. Brinkman and Leo Chaikof, Sept., 488
- ARTHROGRAPHY.** See Knee
- de ARZUA ZULACA, ENRIQUE: Jejunal diverticula (ab), Sept., 497
- ASAI, JUN. See MITSUYA, HIDEO
- ASCH, THANE. See DINEEN, JOSEPH
- ASPERGILLIOSIS
- bilateral pulmonary aspergilloma and pulmonary monilioma (ab), K. Vlakhov and M. Karparov, Nov., 844
- ASPHYXIA
- thoracic roentgen hypertransparency during asphyxic syndrome in infancy (ab), Gianfranco Vichi and Cesare Cavina, Dec., 976
- ASSOCIATION OF UNIVERSITY RADIOLOGISTS, ASTHMA**
- body-section roentgenography in evaluation and differentiation of chronic hypertrophic emphysema and asthma (ab), Robert G. Fraser and David V. Bates, Aug., 312
- ASTRAGALUS**
- transchondral fractures (osteochondritis dissecans) of talus (ab), Albert L. Berndt and Michael Hartly, July, 160
- ATHEROSCLEROSIS.** See Arteriosclerosis
- ATLAS AND AXIS**
- See also Platibasis
 - atlanto-occipital fusion, basilar impression, and block vertebra associated with intraspinal neurofibroma, meningioma, and von Recklinghausen's disease, Arthur Zacks, Aug., 223
 - pseudo-subluxation of axis in children (ab), George Jacobson and H. Harlan Bleeker, July, 143
- ATOMIC BOMB AND ATOMIC ENERGY**
- assessment of radiation dose due to fall-out, P. F. Gustafson, Aug., 282
 - United Nations Scientific Committee on Effects of Atomic Radiation, July, 125
- AUTORADIOGRAPHY.** See Thyroid, hormones; Tritium; Tubercle Bacilli
- AUTOTOMOGRAPHY.** See Body-Section Roentgenography
- AVIATION AND AVIATORS**
- spontaneous pneumothorax in apparently healthy flying personnel (ab), George Dermiansian and Lawrence E. Lamb, Aug., 309
- AVILA, ROGELIO, PUGH, DAVID G., SLOCUMB, CHARLES H., and WINKELMANN, R. K.: Psoriatic arthritis: a roentgenologic study, Nov., 691
- AVNET, NORMAN L. See BERMAN, CARROLL Z.
- AXIS.** See Atlas and Axis
- AYALON, D. See SCHORR, S.
- B**
- BABBITT, DONALD P., and WAISBREN, BURTON A.:** Epidemic pulmonary histoplasmosis. Roentgenographic findings (ab), Dec., 975
- BACILLI.** See Bacteria; Tubercle Bacilli
- BACK.** See Backache; Spine
- BACKACHE**
- absence of motion at fourth and fifth lumbar interspaces in patients with and without low-back pain (ab), Merrill C. Menser and Gene Duvall, July, 159
 - low-back pain: prevention through medical examination and selective job placement (ab), Rex L. Diveley, Sept., 501
 - osteoid osteoma of spine: cause of backache and scoliosis in children and young adults, Robert H. Freiberger, Aug., 232
- BACK-SCATTER.** See Radioactivity, radiocobalt
- BACLESSE, F.:** Radiation treatment of primary bone tumors (osteosarcoma and reticulosarcoma) (ab), Aug., 332
- BACTERIA**
- See also Endotoxins
 - emergency respiratory protection against radiological and biological aerosols (ab), H. Gerald Guyton et al., Sept., 516
 - inhibiting action (antibacterial) of Joduron B (ab), Zdenka Ježková and Milan Svoboda, Dec., 992
 - effect of radioactive strontium on Escherichia coli OB-26 (ab), Henrik Weiglass et al., Dec., 996
 - factors influencing radioprotective action of cysteine: effects in Escherichia coli due to drug concentration, temperature, time, and pH (ab), Henry I. Kohn and Shirley E. Gunter, Oct., 690
 - Escherichia coli. See Bacteria, coli
 - pneumococci. See Pneumonia
 - tuberculosis. See Tubercle Bacilli
- BAKER, S.** See GILDENHORN, HYMAN L.
- BAKER, WILLIAM S., JR.:** Carcinoma of the uterine cervix: interstitial radioactive colloidal gold therapy of the lateral pelvic nodes (ab), Nov., 861
- BALCHUM, OSCAR J., DYBICKI, JERZY, and MENEELY, GEORGE R.:** Absorption and distribution of S^{35} Os inhaled through the nose and mouth by dogs (ab), Oct., 685
- See DYBICKI, JERZY
- BANE, HARRY N.** See CHU, FLORENCE C. H.
- See GLICKSMAN, ARVIN S.
- BARBAS, J. VALENTE.** See de FARIA, J. LOPEZ
- BARDEN, ROBERT P.:** Reflections of disease in the pulmonary medulla, Sept., 454
- BARILLA, M.** See BIAGINI, C.
- BARIUM**
- See also Bronchi, roentgenography; Gastrointestinal Tract, hemorrhage; Intestines, roentgenography
 - investigation of effects of opaque media on lungs with comparison of barium sulfate, Lipiodol and Dionosil (ab), J. S. Dunbar et al., Sept., 490
- BARNA, K.** See HÄBER, J.
- BARNETT, JAMES C.** See ARCOMANO, JOSEPH P.
- BARNHARD, HOWARD J., and GEYER, ROBERT W.:** Growth and development of bone, normal and abnormal, including a section on rickets, Dec., 942
- See BEARD, ALICE GAMBLE

- BARNHARD HOWARD J.—*cont.*
- PIERCE, JOHN A., JOYCE, JOHN W., and BATES, JOSEPH H.: Roentgenographic determination of total lung capacity. A new method evaluated in health, emphysema and congestive heart failure (ab), Dec., 974
- BARONFSKY, IVAN D. See CANTER, JEROME W.
- BARTLEY, OSBORNE, and WICKBOM, INGMAR: Roentgenologic diagnosis of rupture of the diaphragm (ab), Nov., 849
- BASERGA, RENATO: Autoradiographic localization of thyroid hormones in the organs and tissues of the rat (ab), Oct., 682
- BASILAR IMPRESSION. See Platysbasia
- BASS, LEE W., SIEBER, WILLIAM K., and GIRDANY, BERTRAM R.: The treatment of ileocolic intussusception (ab), Oct., 670
- See GIRDANY, BERTRAM R.
- BASSANI, G. See LECCO, V.
- BASU, BYOMKES, DATTA, HARISADHAN, and CHAUDHURY, HARAPROSAD: Study on the effect of radiation on the haemopoietic system in patients suffering from malignant diseases (ab), Nov., 864
- BATES, DAVID V. See FRASER, ROBERT G.
- BATES, JOSEPH H. See BARNHARD, HOWARD J.
- BAUER, RAYMOND B. See MEYER, JOHN S.
- BAUER, WALTER C. See PITCOCK, JAMES A.
- BAUM, S. J., and ALPEN, E. L.: Residual injury induced in the erythropoietic system of the rat by periodic exposures to radiation (ab), Oct., 688
- See ALPEN, E. L.
- BATLIN, GEORGE J. See SAUNDERS, AARON P.
- BEAN, WILLIAM B.: A note on radiation telangiectases (ab), Aug., 342
- BEARD, ALICE GAMBLE, BARNHARD, HOWARD J., ROSS, S. WILLIAM, and CONLIN, F. DIXON: Acute leukemia treated by irradiation and marrow transplant. A case report emphasizing metabolic imbalance (ab), Oct., 681
- BEIRWALTES, WILLIAM H. See GARCIA, ANTONIO M.
- BEISMAN, A. A. See LOKEN, M. K.
- BELL, JOSEPH CLARK (obit), July, 131
- BELLET, SAMUEL. See SELLER, ROBERT H.
- BELTER, LESTER F. See BOSHER, LEWIS H., Jr.
- BENENBOM, M. See IAMMARINO, R. M.
- BENETATOS, S.: Radiological study of the postoperative recurrence of carcinoma of the colon on the suture line of the end-to-end anastomosis (ab), Nov., 848
- BENKENDORF, CHARLES. See VERMUND, HALVOR
- BENKÖ, G. See HÄBER, J.
- BENSON, BRYANT. See CONIGLIO, JOHN G.
- BENSON, HERBERT H., and JACOBSON, GEORGE: Deficiency of small intestinal gas in infants simulating obstruction (ab), Sept., 496
- BENSTED, J. P. M. See QUASTLER, H.
- BENTIVOLIO, LAMBERTO. See URICCHIO, JOSEPH F.
- BEREZOWSKI, A. See SAMUEL, ERIC
- BERGENSTAL, DELBERT M. See ANDREWS, J. ROBERT
- BERGONZINI, R., and CALZAVARA, M.: Primary malignant tumors of the heart; case report and review of the literature (ab), Dec., 979
- BERK, J. EDWARD. See FEIGELSON, HOWARD H.
- BERMAN, CARROLL Z., and AVNET, NORMAN L.: The use of water-soluble urographic contrast media in paediatric gastrointestinal studies (ab), Dec., 986
- BERNDT, ALBERT L., and HARTY, MICHAEL: Transchondral fractures (osteochondritis dissecans) of the talus (ab), July, 160
- BERNHHEIM SYNDROME. See Heart, diseases
- BERNSTEIN, EUGENE F., GREENSPAN, RICHARD H., and LOKEN, MERLE K.: Intravenous aortography: its clinical application (ab), Nov., 844
- BERTRAND, CLAUDE. See MARTINEZ, N.
- BESSE, BYRON E., Jr. See HILBISH, THEODORE F.
- BESSLER, WALTER T., and RENNER, ROBERT R.: Selective bronchography (ab), Dec., 974
- BETA RAYS. See Radioactivity, radiopalladium; Radioactivity, radiostrontium
- BETZ, E. See HUNDESHAGEN, H.
- BEVERIDGE, B., VAUGHAN, B. F., and WALTERS, M. N. I.: Primary hyperparathyroidism and secondary renal failure with osteosclerosis (ab), Aug., 326
- BEZOAR. See Stomach, foreign bodies
- BEZZI, E. See BOBBIO, A.
- BIGAGNI, C., BARILLÀ, M., and MONTANARA, A.: Preliminary assessment of the gonad dose received by patients undergoing radiographic examination (ab), Dec., 997
- BILE
- liver function in regenerating rat liver: CrPO₄ colloid uptake and bile flow (ab), George F. Leong et al, Sept., 514
- BILE DUCTS
- See also Biliary Tract; Gallbladder
 - effectiveness of oral cholecystagogues and intravenous cholecystokinin in producing bile duct visualization during oral cholecystography, Howard H. Feigelson, J. Edward Berk, Myron H. Joyrich, Raymond A. Gagliardi and Arthur S. Shulroff, Aug., 268
 - calculi
 - x-ray diagnosis of bile duct calculi (ab), E. Salzman et al, Sept., 498
- cysts
- choledochus cyst (ab), R. V. Fiddian and Colin McDougall, Sept., 498
 - fistula. See Fistula
- roentgenography
- case for routine operative cholangiography (ab), Irving Rudmar and Merlin L. Otto, Nov., 849
 - dynamic variability of the choledocho-pancreatico-duodenal junction: roentgen cinematographic investigation (ab), B. Jacobsson et al, Aug., 324
 - evaluation of operative cholangiograms as guide to common duct exploration (ab), Donald Hight et al, Oct., 672
 - operative cholangiography (ab), Eric Samuel, Aug., 324
 - radiological demonstration of common bile-duct terminating in duodenal diverticulum of papillary region; 4 cases (ab), J. Munk, Aug., 325
 - tomography in intravenous cholangiography (ab), J. A. B. Jones et al, Dec., 987
- surgery. See Bile Ducts, roentgenography
- BILIARY TRACT
- See also Bile Ducts; Gallbladder; Liver
 - cancer
 - roentgenographic aids in diagnosis of neoplasms of liver and extrahepatic ducts (ab), John A. Evans and Zuheir Mujahid, Oct., 672
- roentgenography
- oral cholegraphy (ab), Eric Gunnarson, Aug., 323
 - oral cholegraphy with Biliodon-Natrium capsules; analysis of 96 cases (ab), Pekka Virtama, Aug., 323
 - preliminary experiences with peroral cholegraphy (ab), Georg-Fredrik Saltzman, Aug., 323
 - recent advances in roentgenology of biliary system (ab), Lester W. Paul, Aug., 322
- BILIJDON-NATRIUM. See Biliary Tract, roentgenography
- BILLEN, DANIEL: Effect of bone marrow culture in vitro on its protective action in irradiated mice (ab), Oct., 690
- BILOPTIN. See Gallbladder, roentgenography
- BING, RICHARD J. See MACK, ROBERT E.
- BIOLOGY
- some biomedical problems of the nuclear age, Charles L. Dunham, Nov., 815
 - training program in Radiation Biology and Cancer-Related Research, Bowman Gray School of Medicine, Dec., 965
- BIRNSTINGL, MARTIN: Study of pancreatography (ab), July, 155
- BISCHOFF, MARTIN E.: Noninfectious necrotizing granulomatosis: the pulmonary roentgen signs, Nov., 752
- BLADDER
- radiographic evaluation of urinary tract following urinary diversion to an ileal bladder (ab), James R. Jude et al, Dec., 989
 - cancer
 - carcinoma of bladder (ab), Noel Thompson, Sept., 508
 - interstitial radiation in treatment of selected cases of cancer of bladder (ab), J. H. Carver, Sept., 509
 - intracavitary treatment of bladder with radioactive colloidal gold (ab), G. M. Dyche and N. R. Mackay, Oct., 679
 - rotational cobalt-60 teletherapy of vesical cancer (ab), Harry H. Browne and Ralph T. Ogden, Nov., 860
 - technique for intracavitary treatment of bladder neoplasms with radioactive solutions contained in rubber balloon (ab), G. M. Dyche and N. R. Mackay, Oct., 679
- inflammation
- eosinophilic cystitis; case of eosinophilic infiltration of urinary bladder, A. J. Palubinskas, Oct., 589
- roentgenography
- cystography with controlled filling pressure in children (ab), Eric R. Christensen, Oct., 676
 - some problems arising during micturating cystourethrography (ab), Lockhard Frain-Bell et al, Oct., 677
- BLADES, BRIAN. See HALL, EMMETT R., Jr.
- BLAIR, EUGENE B. See RÖTHBERG, HARVEY
- BLAKEMORE, WILLIAM S. See WOLPERTH, CHARLES C., Jr.
- BLASCHKE, B. See WALTHER, R.
- BLASTOMYCOSIS
- clinical manifestations of pulmonary blastomycosis (ab), Robert S. Abernathy, Aug., 311
- BLATT, IRVING M., SELTZER, HOLBROOK S., RUBIN, PHILIP, PURSTENBERG, A. C., MAXWELL, JAMES H., and SCHULL, WILLIAM J.: Fatal granulomatosis of the respiratory tract (lethal midline granuloma-Wegener's granulomatosis) (ab), Oct., 656
- BLECKER, H., HARLAN. See JACOBSON, GEORGE
- BLIGH, A. S. See WELLS, C. E. C.
- BLIZZARD, ROBERT M. See SMITH, DAVID W.
- BLOCH, CLAUDE, and JACOBS, WALTER H.: Cardiospasm after pharyngooesophageal resection. A case report (ab), Dec., 982
- BLOCKER, T. G., Jr., SMITH, JAMES R., DUNTON, E., FRANK, PROTAS, JACOB M., COOLEY, ROBERT M., LEWIS, STEPHEN R., and KIRBY, E. J.: Studies of ulceration and edema of the lower extremity by lymphatic cannulation (ab), Nov., 845
- BLOOD
- See also Anemia; Erythrocytes; Hemopoietic System; Leukemia; Leukocytes
 - albumin. See Blood, proteins
 - calcium
 - idiopathic hypercalcemia; case report with assays of vitamin D in serum (ab), David W. Smith et al, July, 158

- BLOOD—cont.**
- cells. See also Erythrocytes; Leukocytes
 - proliferation dynamics of blood cell formation, autoradiographically examined with tritium-labeled thymidine (ab), T. M. Fliebner et al., Sept., 513
 - circulation. See Arteries, cerebral; Arteries, renal; Brain, blood supply; Heart, abnormalities; Liver, blood supply; Veins
 - fibrinogen
 - thrombolysis with fibrinolysis in cerebral arterial occlusion: role of angiography (ab), Bernard J. Sussman and Thomas S. P. Fitch, July, 142
 - iron. See Anemia, hypochromic
 - oxygen
 - diagnosis of emphysema: a physical sign, a roentgenographic sign, and an oximeter test (ab), C. R. Woolf, Sept., 488
 - plasma. See Blood, proteins
 - proteins
 - diagnosis of heart and lung function with aid of albumin labeled with I^{131} (ab), H. Hundeshagen et al., Dec., 995
 - extent of nonspecific background localization of radioiodinated serum proteins in human tumor and normal tissues (ab), Eugene D. Day and Ahsen Ozarda, Oct., 683
 - hepatosplenograms after injection of denatured human serum albumin marked with I^{131} (ab), B. Delaloye et al., Oct., 683
 - vascular-extravascular exchange of I^{131} plasma proteins in the rat (ab), William C. Dewey, Aug., 338
 - serum. See Blood, transfusion
 - transfusion
 - irradiated blood-typing serum (ab), Robert M. Jamison, Nov., 865
 - volume
 - radiochromium in determination of blood volume changes (ab), G. K. Daikos and D. A. Koutras, Sept., 513
- BLOOD PRESSURE**
- high. See also Lungs, blood supply
 - aneurysm of renal artery causing hypertension; 3 cases (ab), Charles P. Mathe, Aug., 317
 - results of the radionuclide renogram and comparison with other kidney tests among hypertensive persons (ab), Chester C. Winter et al., Oct., 683
 - surgically correctable renal hypertension: review and presentation of 4 cases, Joseph J. Bookstein and Herbert Abramson, Aug., 207
- BLOOD VESSELS**
- See also Aorta; Arteries; Cardiovascular System; Veins; etc.
 - comparison of traumatic effect of different roentgen contrast media on blood vessels (ab), G. Zinner and R. Gottlob, Aug., 317
 - vascular-extravascular exchange of I^{131} plasma proteins in the rat (ab), William C. Dewey, Aug., 338
- BLUESTEIN, S. G.** New oral cholecystographic medium (ab), Aug., 323
- BOBBIO, A., BEZZI, E., and ROSSI, L.** Pelvic angiography in diseases of the prostate gland (ab), Sept., 505
- BOCK, K.** See HERBST, M.
- BOCKUS, H. L.** See ROTH, JAMES L. A.
- BODY-SECTION ROENTGENOGRAPHY**
- angiography; preliminary report, Grover J. Liese, Aug., 272
 - anomalous drainage of pulmonary veins into inferior vena cava: importance of planigraphic study, Walter Koch and Alfredo Silva, Oct., 592
 - application of tomography to urologic roentgenology (ab), E. Hajos, July, 102
 - autotomography of fourth ventricle and floor of third ventricle (ab), J. Schwarcz, Oct., 655
 - body-section roentgenography in evaluation and differentiation of chronic hypertrophic emphysema and asthma (ab), Robert G. Fraser and David V. Bates, Aug., 312
 - nephrotomography in differentiation of renal cyst from neoplasm; review of 500 cases (ab), Kuo-Yorh Chynn and John A. Evans, Nov., 854
 - technic and interpretation of nephrotomograms (ab), H. W. A. Post and W. F. W. Southwood, Sept., 505
 - tomography in intravenous cholangiography (ab), J. A. B. Jones et al., Dec., 987
 - value of tomography in management of pulmonary tuberculosis; review of 1,276 tomograms of 930 patients (ab), V. V. S. Pratapa Rao, Dec., 975
- BOIJSEN, ERIK**: Angiographic studies of the anatomy of single and multiple renal arteries (ab), Dec., 982
- BOND, V. P.** See FLIEDNER, T. M.
- See LIPPINCOTT, S. W.
- BOND, W. H.** See WHITFIELD, A. G. W.
- BONES**
- See also Cranium; Epiphyses; Spine; under names of bones
 - calorimetric measurements of bone/tissue absorption ratios, Paul N. Goodwin, July, 112
 - radium in human bone: the dose in microscopic volumes of bone (ab), R. E. Rowland and J. H. Marshall, July, 169
 - relationship of iodine metabolism and bone structure in endemic cretinism (ab), M. P. König and P. Veraguth, Sept., 501
 - blood supply. See Bones, tumors
 - diseases. See Bones, pathology; Osteitis; Osteochondritis; etc.
 - fractures. See Fractures; Scaphoid Bone, Carpal; Spine; etc.
- growth**
- evaluation of abnormal stature in adolescent and young adult (ab), Thomas W. Burns, Oct., 674
 - growth and development of bone, normal and abnormal, including a section on rickets, Howard J. Barnhard and Robert W. Geyer, Dec., 942
 - growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
 - growth disturbances of skeleton following radiation-induced infantile myxedema (ab), B. Freyer, Aug., 344
 - seasonal distribution of initial appearance of postnatal ossification centers in hand and wrist of undernourished children (ab), Samuel Dreizen et al., Nov., 852
- homografts.** See Bones, marrow
- hyperostosis.** See Hyperostosis
- marrow**
- acute leukemia treated by irradiation and marrow transplant: case report emphasizing metabolic imbalance (ab), Alice G. Beard et al., Oct., 681
 - acute renal failure following intravenous pyelography in multiple myeloma (ab), W. Scheitlin et al., Nov., 855
 - arteriography and osteomedulligraphy in diagnosis of bone tumors (ab), A. Ratti, Aug., 325
 - autologous bone-marrow implantation after fast neutron irradiation of dogs (ab), E. L. Alpen and S. J. Baum, July, 170
 - bone sclerosis in multiple myeloma, Edward P. Engels, Robert C. Smith and Simon Krantz, Aug., 242
 - bone-marrow transplantation and chemical protection in radiotherapy of mouse leukemia; preliminary communication (ab), Emanuel E. Schwartz, July, 169
 - comparison of effects of isologous homologous, and heterologous hematopoietic tissues on post-irradiation survival, Leon O. Jacobson and Eric L. Simmons, July, 6
 - delayed mortality of radiation chimeras: a pathological and hematological study (ab), M. J. de Vries and O. Vos, Oct., 689
 - depletion of myelopoietic cells of irradiated rat (ab), E. V. Hulse, Aug., 347
 - effect of bone-marrow culture in vitro on its protective action in irradiated mice (ab), Daniel Billen, Oct., 690
 - effect of post-irradiation bone-marrow treatment on rat spleen nucleic acids (ab), R. M. Iammarino and M. Benenbom, Oct., 690
 - local bone-marrow changes secondary to therapeutic irradiation, Marguerite P. Sykes, Florence C. H. Chu and William G. Wilkerson, Dec., 919
 - marrow transplantation after radiation: an experimental approach to the immunological complications (ab), K. A. Porter, Nov., 865
 - multiple myeloma presenting clinically as a solitary tumor of skull; case (ab), J. M. Hoffman and H. van Z. de Klerk, Oct., 656
 - observations on chimpanzees after whole-body radiation and homologous bone-marrow treatment (ab), Harvey Rothberg et al., Oct., 687
 - some experiences with irradiation injury, Joseph W. Ferrebe and E. Donnell Thomas, July, 1
 - some observations on the treatment of postirradiation hematopoietic depression in man by infusion of stored autogenous marrow (ab), N. B. Kurnick et al., Oct., 686
 - theory and practice of total-body irradiation in dawn of homograft era, James B. Dealy, Jr., July, 11
 - total thoracic irradiation combined with intravenous injection of autogenous marrow (ab), K. A. Newton, Nov., 865
 - value of bone-marrow and spleen-cell suspensions for survival of lethally irradiated dogs (ab), Robert D. Sullivan et al., Aug., 345
- necrosis.** See Jaws
- osteolysis.** See Osteolysis
- osteomalacia.** See Osteomalacia
- pathology**
- acute leukemia: skeletal manifestations in children and adults (ab), Theodore F. Hilbush et al., Sept., 500
 - bone changes in adult cretins (ab), I. B. D. Middlemiss, Aug., 326
 - bone changes in sickle-cell anemia and its genetic variants (ab), J. S. R. Golding et al., Sept., 509
 - case study of peculiar soft-tissue and bony changes in association with thyroid disease (ab), Lionel R. King et al., Aug., 330
 - hemophilia and Christmas disease (ab), J. H. Middlemiss, Nov., 850
 - intraosseous hemorrhages in hemophilia (ab), H. Stein and E. Doll, Oct., 673
 - late appearance and evolution of a cortical defect in a boy with delayed puberty (ab), Gerhart S. Schwarz, Nov., 853
 - radiologic aspects of caisson disease (ab), Andre M. Fournier and Georges Jullien, Aug., 326
 - radiological bone changes in Cushing's syndrome and steroid therapy (ab), R. O. Murray, Nov., 850
 - skeletal changes in Wilson's disease (hepatolenticular degeneration) (ab), Victor M. Rosenoer and R. C. Michell, Oct., 673

- BONES—cont.**
- roentgenography.** See also other subheads under Bones
 - adjustable mobile cassette holder for orthopedic operations (ab), E. Thyge Madsen, Sept., 502
 - sclerosis.** See Osteosclerosis
 - tumors**
 - arteriography and osteomedullography in diagnosis of bone tumors (ab), A. Ratti, Aug., 325
 - arteriography of bone tumors and of soft parts of extremities (ab), S. Chiappa et al., Sept., 499
 - neurilemmoma of bone; report of 3 cases with a review of literature, Thomas G. Samter, Frank Vellios and William G. Shafer, Aug., 215
 - non-osteogenic fibroma of bone (ab), W. M. Purcell and F. Mulcahy, Nov., 851
 - radiation treatment of primary bone tumors (osteosarcoma and reticulosarcoma) (ab), F. Baclasses, Aug., 332
 - roentgen appearance of benign osteoblastoma, Rubem Pochaczewski, Ying Ming Yen and Robert S. Sherman, Sept., 429
 - value of arteriography in diagnosis of bone tumors (ab), Basil Strickland, Sept., 499
 - wounds and injuries.** See Fractures; Hyperostosis
 - BONNET, JOHN D., HAGEDORN, ALBERT B., and OWEN, CHARLES A., Jr.**: A quantitative method for measuring the gastrointestinal absorption of iron (ab), Dec., 996
 - BONO, G.** See GAMALERO, P. C.
 - BONTE, FREDERICK J.** See REYNOLDS, JACK
 - BONTE, G.** See WAREMBOURG, H.
- BOOK REVIEWS**
- Ariel, Irving M., and Pack, George T., editors. Cancer and Allied Diseases of Infancy and Childhood, Aug., 299
 - Baclasses, F. Tumeurs malignes du pharynx et du larynx, Dec., 968
 - Bohlig, H., Jacob, G., and Müller, H. Die Asbestose der Lungen: Genese—Klinik—Röntgenologie, Fortschr. d. Geb. d. Röntgenstrahlen, Ergänzungsband 85, Oct., 645
 - Brocher, J. E. W. Die Wirbelsäulenleiden und ihre Differenzialdiagnose, Nov., 829
 - Coley, Bradley L. Neoplasms of Bone and Related Conditions: Etiology, Pathogenesis, Diagnosis, and Treatment, Dec., 967
 - Delario, A. J. Breast Cancer: Factors Modifying Prognosis, Nov., 828
 - Durham, Robert H. Encyclopedia of Medical Syndromes, Nov., 828
 - Ekström, Tore, Engfeldt, Bengt, Lagergren, Curt, and Lindvall, Nils. Medullary Sponge Kidney: A Roentgenologic, Clinical, Histopathologic and Biophysical Study, Sept., 478
 - Engel, St., Heilmeyer, L., Hein, J., and Uehlinger, E., editors. Ergebnisse der gesamten Tuberkulose- und Lungenerforschung, Sept., 479
 - Frimann-Dahl, J. Roentgen Examinations in Acute Abdominal Diseases, Aug., 300
 - Gebauer, A., Muntean, E., and Vieten, H. Das Röntgenschichtbild, Dec., 969
 - Hartung, Kurt. Strahlenbelastung und Strahlenschutz in der pädiatrischen Röntgendiagnostik, July, 127
 - King, E. J., and Fletcher, C. M., editors. Industrial Pulmonary Diseases: A Symposium Held at the Postgraduate Medical School of London, 18th-20th September 1957, and 25th-27th March, 1958, Dec., 968
 - Lauge-Hansen, Niels. The Development and the Embryonic Anatomy of the Human Gastro-Intestinal Tract: A New Basis for the Study of Anomalies of the Gastro-Intestinal Tract, Sept., 478
 - Porcher, Pierre, Stössel, Hans-Ulrich, and Mainguet, Paul. Klinische Radiologie des Magens und des Zwölffingerdarms, Sept., 479
 - Quimby, Edith H. Safe Handling of Radioactive Isotopes in Medical Practice, Aug., 299
 - Ravitch, Mark M. Intussusception in Infants and Children, Sept., 477
 - Read, John. Radiation Biology of *Vicia faba* in Relation to the General Problem, Sept., 478
 - Sarles, H., and Mercadier, M. Les pancréatites chroniques de l'adulte, Oct., 645
 - Schinz, H. R., Holthusen, H., Langendorff, H., Rajewsky, B., and Schubert, G., editors. Strahlenbiologie, Strahlentherapie, Nuklearmedizin und Krebsforschung, Aug., 300
 - Schmorl, Georg, and Junghanns, Herbert. The Human Spine in Health and Disease. Anatomicopathologic Studies. Clinicoangiologic Aspects. Translated and edited by Stefan P. Wilk and Lowell S. Green, July, 127
 - Sagrè, Emilio, and Schiff, Leonard I., co-editors. Annual Review of Nuclear Science, Vol. 9, July, 126
 - de Saxe, S., Ryckewaert, A., and Maitre, M. L'épaule en pratique rhumatologique, July, 127
 - Shaw, Robert R., and Paulson, Donald L. The Treatment of Bronchial Neoplasms, July, 126
 - Smalowski, Arthur, and Currie, Donald J. Photography in Medicine, Sept., 479
 - Spirko, Sister Cristina. Radiologic Records, Nov., 828
- BOOKS RECEIVED (not reviewed)**
- Augenstein, Leroy G., editor. Bioenergetics: Considerations of Processes of Absorption, Stabilization, Transfer, and Utilization. Proceedings of a Symposium Sponsored by the U. S. Atomic Energy Commission Held at Brookhaven National Laboratory, Oct. 12-16, 1959, Radiation Res. Suppl. 2, 1960, Dec., 967
 - Balestra, E. Quadri radiologici delle pneumopatie interstiziali idiopatiche e sistemiche nell'adulto, Sept., 477
 - Bernier, Joseph L. Tumors of the Odontogenic Apparatus and Jaws, Atlas of Tumor Pathology, Section IV, Fasc. 10a, Dec., 966
 - Borell, Ulf, and Fernström, Ingmar. Radiologic Pelvimetry, Acta radiol. Suppl. 191, Dec., 967
 - Buzzati-Traverso, A. A., editor. Immediate and Low Level Effects of Ionizing Radiations, Sept., 477
 - Clark, Randolph Lee, Jr., and Cumley, Russell W. The Year Book of Cancer (1959-1960 Year Book Series), Oct., 644
 - Cronkite, Eugene P., and Bond, Victor P. Radiation Injury in Man: Its Chemical and Biological Basis, Pathogenesis and Therapy, Nov., 827
 - Dahl, Olov, and Wikterlöf, Karl Johan. Attainment and Value of Precision in Deep Radiotherapy: Some Fundamentals with Special Reference to Moving Beam Therapy with 200 to 250 kV Roentgen Rays and Cobalt 60 Gamma Radiation, Acta radiol. Suppl. 189, Dec., 966
 - Dargeon, Harold W. Tumors of Childhood: A Clinical Treatise, Aug., 298
 - Decker, Kurt, editor. Klinische Neuroradiologie, Aug., 299
 - Edholm, Paul. The Tomogram: Its Formation and Content, Acta radiol. Suppl. 193, Dec., 967
 - Errera, Maurice, and Forsberg, Arne, editors. Mechanisms in Radiobiology. Vol. II: Multicellular Organisms, Sept., 477
 - Etter, Lewis E. Glossary of Words and Phrases Used in Radiology and Nuclear Medicine Prepared from Various Sources for Medical Secretaries, X-ray Technicians, Medical Students and Residents in Radiology, Aug., 298
 - Felson, Benjamin. Fundamentals of Chest Roentgenology, Dec., 966
 - Flocks, R. H., and Culp, D. A. Radiation Therapy of Early Prostatic Cancer, Dec., 966
 - Friedell, Gilbert H., Hertig, Arthur T., and Younge, Paul A. Carcinoma in Situ of the Uterine Cervix: A Study of 235 Cases from the Free Hospital for Women, Nov., 827
 - Hayhoe, F. G. J. Leukaemia: Research and Clinical Practice, Aug., 299
 - Hertig, Arthur T., and Gore, Hazel. Tumors of the Female Sex Organs. Part 2: Tumors of the Vulva, Vagina and Uterus, Atlas of Tumor Pathology, Section IX—Fasc. 33, Sept., 477
 - Kaae, Siyaard, Ambrosen, Johan, Christiansen, Harald, Hultberg, Sven, and Thomsen, Greger, editors. Jens Nielsen Annus Aetatis Suae LX, Acta radiol. Suppl. 188, Dec., 966
 - Kaindl, Fritz, Mannheimer, Eva, Pfleger-Schwarz, and Thurnher, Bruno. Lymphangiographie und Lymphadenographie der Extremitäten, Oct., 644
 - Kalias, Nathan, editor. Proceedings: Symposium on Some Problems of Normal and Abnormal Differentiation and Development, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Me., June 15 through 17, 1959, Sept., 477
 - Kirsch, Theodor. Strahlengefährdung und Strahlenschutz in der zahnärztlichen Röntgendiagnostik, Oct., 645
 - Kiviluoto, Raimo. Pleural Calcification as a Roentgenologic Sign of Non-Occupational Endemic Anthrophylite-Asbestosis, Acta radiol. Suppl. 194, Dec., 967
 - Künzler, Ralph, and Schad, Nikolaus. Atlas der Angiokardiographie angeborener Herzfehler, Sept., 477
 - Large Radiation Sources in Industry. I. Proceedings of a Conference on the Application of Large Radiation Sources in Industry and Especially to Chemical Processes Organized by the International Atomic Energy Agency, Warsaw, 8-12 September 1959, Dec., 966
 - Lindvall, Nils. Renal Papillary Necrosis: A Roentgenographic Study of 155 Cases, Acta radiol. Suppl. 192, Dec., 967
 - McLaren, J. W., editor. Modern Trends in Diagnostic Radiology, Nov., 827
 - Middlemiss, Howard. Radiology as a Diagnostic Aid in Clinical Surgery, Aug., 298
 - Mitchell, J. S. Studies in Radiotherapeutics, Aug., 298
 - Morrison, B. H., III, editor. Conference on Experimental Clinical Cancer Chemotherapy, Washington, D. C., November 11 and 12, 1959, Nov., 828
 - Murilo Martins, José. English for the Foreign Physician, July, 126
 - Report of the Committee on Training in Radiological Health and Safety to the Authority Committee on Health and Safety, United Kingdom Atomic Energy Authority, February 1960, Aug., 299
 - Di Renzo, S., and Weber, H. H. Radiologische Exploration des Bronchus, Aug., 299
 - Rodrigues, Dirceu. Broncografia com bário e metilcelulose: Observações no homem e estudo experimental, Aug., 299
 - Scheller, Sven. Roentgenographic Studies on Epiphysial Growth and Ossification in the Knee, Acta radiol. Suppl. 195, Dec., 967
 - Schmidt, Hermann, and Fischer, Erich. Die okziptale Dysplasie, Dec., 967
 - Schobinger, Robert A. Intra-Osseous Venography, Sept., 476
 - Seiman, Joseph. The Basic Physics of Radiation Therapy, Nov., 827
 - Shapiro, Robert, and Janzen, Arnold H. The Normal Skull: A Roentgen Study, Dec., 965
 - Smyth, C. N., editor. Medical Electronics: Proceedings of the Second International Conference on Medical Electronics, Paris, 24-27 June 1959, Dec., 966

BOOK RECEIVED—cont.

- Söremark, Rune. Distribution and Kinetics of Bromide Ions in the Mammalian Body: Some Experimental Investigations Using Br^{35m} and Br^{35} . *Acta radiol. Suppl.* 190, Dec., 967
- Use of Radioisotopes and Supervoltage Radiation in Radiotherapy: Present Status and Recommendations. Dec., 966
- Wackenheim, A. Neuroradiologie: Radio-anatomie normale et pathologique du crâne, Aug., 299
- Watson, Bernard B., editor. The Delayed Effects of Whole-Body Radiation: A Symposium, Dec., 966
- Wiles, Philip. Fractures, Dislocations and Sprains, Oct., 644
- Zimmer, E. A. Artefacts and Handling and Processing Faults on X-ray Films, Dec., 966
- BOOKSTEIN, JOSEPH J., and ABRAMS, HERBERT L.: Surgically correctable renal hypertension: A review and presentation of four cases, Aug., 207
- BOOTH, RICHARD W. See MOLNAR, WILLIAM
- BORON, RADIOACTIVE. See Radioactivity, radioboron
- BOSHER, LEWIS H., Jr., VASLI, SVERRE, McCUE, CAROLYN MOORE, and BELTER, LESTER F.: Congenital coronary arteriovenous fistula associated with large patent ductus (ab), Aug., 316
- BOSNIAK, MORTON A. See ROSNER, MARTIN C.
- BOTHA, G. S. MULLER: Oesophageal pressure and motility in animals: a cine-radiographic and manometric study (ab), Aug., 318
- BOUDREAU, ROBERT P.: Primary intraventricular tumors, Dec., 867
- BOYE, ERNST: Progressive bullous emphysema: "vanishing lung" (ab), July, 145
- BOYLE, A. C. See LOMAS, J. J. P.
- BRACE, KIRKLAND C. See ANDREWS, J. ROBERT
- BRACHFIELD, JONAS. See SELLER, ROBERT H.
- BRADEN, EDWIN S. See MAIER, KENNETH J.
- BRADSHAW, H. H. See MEREDITH, JESSE H.
- BRADY, LUTHER W. See WOLFERTH, CHARLES C., Jr.
- BRAHME, FOLKE. See LÖRINCZ, PAL
- BRAIN**
See also Cerebellum; Lenticular Nucleus; Meninges; Pituitary Body
—creation of deep cerebral lesions by small beta-ray sources implanted under guidance of fluoroscopic image intensifiers (as used in treatment of Parkinson's disease) (ab), Sean Mullan et al., Aug., 340
—disseminated demyelination of brain following Co^{60} (gamma) radiation (ab), P. Lampert et al., July, 167
- abnormalities**
—encephalomyelitis in Arnold-Chiari malformation (ab), Bengt Liljequist, Nov., 841
blood supply. See also Arteries, cerebral
—angiography in head trauma (ab), J. Pecker et al., Sept., 486
—arteriographic study of cerebrovascular disease (ab), Fletcher H. McDowell et al., Aug., 306
—arteriographic study of cerebrovascular disease in man. I. Stenosis and occlusion of the vertebral-basilar arterial system (ab), John S. Meyer et al., Dec., 972
—Hypaque in cerebral angiography; report of complications in 617 angiograms (ab), Samuel J. Brendler and George J. Hayes, Aug., 307
—modern concepts concerning etiology and treatment of cerebrovascular accidents (ab), Robert A. Kuhn, Aug., 306
—pathways of cerebral collateral circulation, Maurice Tatelman, Sept., 349
—roentgenologic aspects of cerebral angiography in children (ab), Juan M. Taveras and Charles M. Poser, July, 141
—safe and practical intravenous method for abdominal aortography, peripheral arteriography, and cerebral angiography (ab), Israel Steinberg et al., Sept., 494
—simultaneous biplane large-film serialigraphy in cerebral angiography (ab), Harold G. Jacobson and Jerome H. Shapiro, Sept., 486
—surgical treatment of atherosclerotic occlusive lesions in patients with cerebral arterial insufficiency (ab), E. Stanley Crawford et al., Aug., 306
—variations in striate and other cerebral veins affecting measurements of "venous angle" (ab), B. Albert Ring, Oct., 655
- calcification. See Ganglion, basal
- cysticercosis
—cerebral cysticercosis; 10 cases (ab), C. Vatopoulos and D. Cotsimbos, Nov., 841
- pathology
—cavum veli interpositi and its differentiation from cavum Vergae (ab), Hans Zellweger and E. F. Van Epps, Nov., 840
- roentgenography. See also Cerebellopontile Angle; other subheads under Brain
—autotomography of fourth ventricle and floor of third ventricle (ab), J. Schwartz, Oct., 655
—occlusion of third ventricle by tortuous, bulbous, calcified basilar artery (ab), Hendrik J. Sviat and Luigi Pescerico, Oct., 654
—pneumocephalography and air embolism: simulated anesthetic death (ab), Jay Jacoby et al., Sept., 486
- tumors
—intracranial posterior-fossa tumors, Samuel B. Haverson, July, 59
—primary intraventricular tumors, Robert P. Boudreau, Dec., 867
- BRAUER, RALPH W. See CARROLL, HAROLD W.
—See LEONG, GEORGE F.
- BRAUNSTEIN, HERBERT. See KING, LIONEL R.
- BRAUNWALD, EUGENE, MORROW, ANDREW G., and COOPER, THÉODORE: Left ventricular angiocardiography in the diagnosis of persistent atrioventricular canal and related anomalies (ab), Oct., 661
- See COLLINS, N. PERRYMAN
- See LONG, ROBERT T. L.
- BRAUNWALD, NINA. See GONDOS, BELA
- BREAST**
cancer
—effect on survival of certain variables in breast cancer (ab), Benjamin F. Byrd, Jr., et al., Nov., 858
—electron-beam therapy in management of carcinoma of breast, Florence C. H. Chu, Alan C. Scheer and Jorge Gaspar-Landero, Oct., 559
—estimation of proportion of patients cured after treatment for cancer of breast (ab), J. L. Haybittle, Sept., 507
—estrogen excretion in breast cancer patients before and after ovarian irradiation and oophorectomy (ab), E. Diczfalusy et al., Aug., 313
—radiation therapy in breast cancer (ab), Halvor Vermund and Charles Benkendorf, Aug., 331
- roentgenography
—experience with mammography in a tumor institution; evaluation of 1,000 studies, Robert L. Egan, Dec., 894
- BRENDLER, SAMUEL J., and HAYES, GEORGE J.: Hypaque in cerebral angiography. Report of complications in 617 angiograms (ab), Aug., 307
- BRESLIN, A. J. See HARRIS, W. B.
- BRET, J. See SANTY, P.
- BRINGHURST, LOUIS S., BYRNE, ROBERT N., and GER-SHON-COHEN, JACOB: Respiratory disease of mushroom workers: farmer's lung (ab), Oct., 659
- BRINKMAN, GEOFFREY L., and CHAIKOF, LEO: Rheumatoid lung disease: report of a case which developed in childhood (ab), Sept., 488
- BRITTON, CLARENCE. See NELSON, SIDNEY W.
- BRODIE, S. STEVEN. See RUBENFELD, SIDNEY
- BROGDON, BYRON G. See GREEN, ALLAN E., Jr.
- BRONCHI**
See also Bronchiectasis; Bronchitis
—changes in bronchi in pneumonia (ab), J. Háber et al., Sept., 491
—functional stenosis due to bronchial angulation (ab), C. H. Nicholson et al., Aug., 311
- abnormalities**
—ampullary bronchiectases, a rare malformation of bronchi (ab), W. Müller and K. Musshoff, Oct., 658
—tracheal bronchus; case (ab), D. Teskeredžić, Sept., 491
- cancer. See Lungs, cancer
cysts
—bronchogenic cysts in patients presumed to have pulmonary tuberculosis (ab), Neil C. Andrews et al., Aug., 310
—dumbbell bronchogenic cysts, Elliott C. Lasser, Nov., 748
- roentgenography
—bronchographic observations on alterations of tracheobronchial tree in congenital angiopathies (ab), P. C. Gamalero et al., Sept., 491
—bronchography without oil and iodine—use of barium as contrast medium (ab), Jesse Teixeira and L. C. Vieira Teixeira, July, 144
—investigation of effects of opaque media on lungs with comparison of barium sulfate, Lipiodol and Dionosil (ab), J. S. Dunbar et al., Sept., 490
- BRONCHIECTASIS**
—ampullary bronchiectases, a rare malformation of the bronchi (ab), W. Müller and K. Musshoff, Oct., 658
- BRONCHIOLES.** See Bronchitis
- BRONCHIOLITIS.** See Bronchitis
- BRONCHITIS**
—bronchiolar ectasia; 12 cases (ab), Harwood N. Sturtevant and Harris W. Knudson, Dec., 975
—contribution to bronchiolitis obliterans (ab), W. F. Diller and H. Hillger, Nov., 843
—pathognomonic signs of chronic bronchitis (ab), Vincent S. Oliva et al., Dec., 975
—roentgenologic considerations of capillary bronchiolitis (ab), Donald A. Koch, July, 145
- BRONCHOGRAPHY.** See Bronchi, roentgenography
- BRONSON, S. MARTIN:** Idiopathic pulmonary hemidesmosis in adults: report of a case and review of the literature (ab), Dec., 976
- BROWN, CHARLES H.:** Therapeutic principles in management of peptic ulcer. 4. Radiation therapy with cobalt-60 (ab), Nov., 860
- BROWN, E. B., Jr.** See DAVIES, J.
- BROWN, F. O.:** On routine barium examination of the small bowel (ab), Aug., 321
- BROWN, REYNOLD F.:** Radiation facts for public health officers (ab), Nov., 866
- BROWN, WEBSTER H.:** Episternal bones; case report, July, 116
- and DAVIS, FRANK W., Jr.: Bezoar and its potential imitator (ab), Oct., 668
- BROWNE, HARRY H., and OGDEN, RALPH T.:** Rotational cobalt 60 teletherapy of vesical cancer (ab), Nov., 860
- BRUNELLI, B., and SANTINO, A.:** Duodenal ulcer in children; 3 cases (ab), Dec., 986
- See LECCO, V.

- BRUNNER, U.** See SCHEITLIN, W.
BRUNTON, F. J., and EBAN, R. E.: Sideropenic webs in men (ab), Nov., 846
- BRUSH, BROCK E.** See PONKA, JOSEPH L.
- BUCHACKER, HERMANN M.**: Therapeutic results in carcinoma of the uterine cervix and corpus from 1948 until 1953 (ab), Nov., 859
- BUCHANAN, W. WATSON.** See CROOKS, JAMES
- BUCKINGHAM, WILLIAM B.** See MESZAROS, WILLIAM T.
- BUDIN, EARL, and EICHWALD, MAX**: Achalasia of the ureter, Nov., 757
- BÜHLMANN, A.** See TSAKIRIS, A.
- BUFFARD, P.** See ARNULF, G.
- BULBUS OCULLI.** See Eyes
- BULGRIN, JAMES G., DUBOIS, EDMUND L., and JACOBSON, GEORGE**: Peptic ulcer associated with corticosteroid therapy: serial roentgenographic studies, Nov., 712
- BULL, J. W. D., NIXON, W. L. B., PRATT, R. T. C., and ROBINSON, P. K.**: Paget's disease of the skull and secondary basilar impression (ab), Oct., 654
- BURCH, JOHN C.** See BYRD, BENJAMIN F., Jr.
- BURCHALL, JAMES C.** See KOZIN, PHILIP J.
- BURCHELL, HOWARD B.** See CONNOLLY, DANIEL C.
- See HODGSON, CORRIN H.
- BURKHEAD, HOWARD C.** See MAIER, KENNETH J.
- See SUTTON, GEORGE C.
- BURMAN, SHELDON OSCAR**: The effects of irradiation upon the revascularization and survival of skin autografts (ab), Oct., 687
- BURNOUS SIGN.** See Stomach, mucosa
- BURNS, BEAURY C.** See JONES, HOWARD W., Jr.
- BURNS, J. E.** See COHEN, M.
- BURNS, THOMAS W.**: Evaluation of abnormal stature in the adolescent and young adult (ab), Oct., 674
- BUSCHKE, FRANZ**: Roentgen therapy of intrathoracic neoplasms (ab), Aug., 332
- BUTLER, M. F.**: Appendicular calculi (ab), Sept., 498
- BYERS, SANFORD O., CADY, PAXTON, FRIEDMAN, MEYER, and FELTON, LELAND**: Effect of triton on triolein 141 I distribution in atherosclerotic rabbit tissues (ab), Sept., 513
- See FELTON, LELAND
- BYRD, BENJAMIN F., Jr., BURCH, JOHN C., and STEPHENSON, SAM E., Jr.**: The effect on survival of certain variables in breast cancer (ab), Nov., 858
- BYRNE, ROBERT N.** See BRIGHURST, LOUIS S.
- BYUN, HYO HYUN.** See LANDAUER, ROBERT S.
- C
- CADMIUM SULFIDE**: —photoconductance crystals for intracavitory dosimetry, Emanuel G. Tulsky, Jen-Ti Chen and Arthur Finkelstein, July, 98
- CADY, PAXTON.** See BYERS, SANFORD O.
- See FELTON, LELAND
- CAFFARATTI, A., and MORELLI, A.**: Diagnostic value of pneumo-uretero-pyelography in nephro-uretero-lithiasis (ab), Dec., 990
- CAFFEY, JOHN, and di LIBERTI, CHARLES**: Acute atrophy of the thymus induced by adreno-corticosteroids: observed roentgenographically in living human infants. A preliminary report (ab), Sept., 492
- CAISSON DISEASE**: —radiological aspects of caisson disease (ab), André M. Fourrier and Georges Julien, Aug., 326
- CALCIFICATION**: See Adrenals; Arteries, basilar; Colon, cancer; Ganglion, basal; Kidneys, etc.
- CALCIUM AND CALCIUM COMPOUNDS**: radioactive. See Radioactivity, radiocalcium
- CALCULI**: See Appendix; Bile Ducts; Gallbladder; Kidneys, etc.
- CALIN, S. HARTLEY.** See LA FAVE, JAMES W.
- CALORIMETRY**: —calorimetric measurements of bone/tissue absorption ratios, Paul N. Goodwin, July, 112
- CALVARIUM**: See Cranium
- CALVY, GEORGE L.** See LYONS, HAROLD A.
- CALZAVARA, M.** See BERGONZINI, R.
- CAMANNI, F.** See MOLINATTI, G. M.
- CAMPBELL, J. A., KLATTE, E. C., and SHALKOWSKI, R. A.**: Factors influencing image quality in cineroentgenography (ab), Dec., 991
- CAMPBELL, ROGER E.** See PATE, JAMES W.
- CANCER**: See also Sarcoma; Tumors, experimental; under organs and regions
 —course in special radiation procedures in cancer, Queens Hospital Center, N. Y., July, 125
 —training program in Radiation Biology and Cancer-Related Research, Bowman Gray School of Medicine, Dec., 965
- cells**: See Mouth
 chorionic
 —primary mediastinal choriocarcinoma, Bernard S. Yurick and Richard E. Ottman, Dec., 901
- etiology**
 —incidence of neoplasia after irradiation of thymus region (ab), Howard B. Latourette and Fred J. Hodges, Sept., 514
- metastases**. See also Lungs, cancer; Lymph Nodes, cancer
 —metastatic spread of corpus carcinoma, especially into va-
- gina: means of prevention (ab), Heinrich G. Müller, Aug., 332
- sterility after radioiodine therapy for metastatic thyroid carcinoma (ab), Huldrick Kammer and Morton J. Goodman, Dec., 997
- radiotherapy**
 —cancer palliation: extracorporeal pump perfusion of radioactive isotopes and nitrogen mustard as adjuncts to external radiation therapy (ab), Robert C. Hickley et al., July, 167
 —combination of oxygen and optimum fractionation in radiation therapy of adenocarcinoma (ab), Lucille A. Du Sault et al., Aug., 333
 —general formula for axial depth dose derived from an empirical power law for tumor-air ratios, Paul M. Pfalzner, Sept., 438
 —impressions of value of megavoltage irradiation in treatment of malignant neoplasia (ab), William Woods, Sept., 511
 —megavoltage radiotherapy (ab), W. P. Holman and J. H. Martin, Sept., 511
 —new horizons in radiotherapy of malignant disease (ab), Henry S. Kaplan, July, 164
 —study on effect of radiation on hemopoietic system in patients suffering from malignant diseases (ab), Byomkes Basu et al., Nov., 864
- tuberculosis and cancer**. See Tuberculosis, Pulmonary, cancer and tuberculosis
- CANDIDA**. See Candidiasis
- transmission of β -labeled Candida albicans to newborn mice at birth (ab), Philip J. Koziar et al., Nov., 861
- CANTER, JEROME W., KREEL, ISADORE, ROSENTHAL, WILLIAM S., and BARONOFSKY, IVAN D.**: The effect of local factors on the portal venous pattern (ab), Oct., 665
- CANTERO, ANTONIO.** See WEBER, GEORGE
- CANTRIL, SIMEON T.**: Radiation therapy in cancer of the larynx (ab), Nov., 857
- CANTWELL, DERMOT P.**: Ward barium meal examination in acute gastrointestinal haemorrhage (ab), Nov., 847
- CARBOHYDRATES**
 —effect of x-irradiation on hepatic carbohydrate enzymes in control and hypophysectomized rats (ab), George Weber and Antonio Cantero, Nov., 865
 —recent studies on carbohydrate metabolism (ab), E. B. Chain, Aug., 341
- CARBON, RADIOACTIVE**. See Radioactivity, radiocarbon
- CARBON DIOXIDE**: —presacral retroperitoneal pneumography utilizing carbon dioxide: further experiences and improved technic (ab), Ralph R. Landes and Charles L. Ransom, Oct., 677
- CARCINOSARCOMA**. See Tumors, mixed
- CARDIA**: See Stomach
- CARDIOANGIOGRAPHY**. See Cardiovascular System
- CARDIOSPASM**: See Stomach, cardiospasm
- CARDIOVASCULAR SYSTEM**
 See also Aneurysm; Aorta; Heart; etc.
 —subacute and late cardiovascular sequelae to low doses of gamma radiation (ab), Durwood J. Smith et al., Sept., 515
- abnormalities**
 —bronchographic observations on alterations of tracheobronchial tree in congenital angiopathies (ab), P. C. Gamalero et al., Sept., 491
- roentgenography**. See also Aneurysm, aortic; Heart, abnormalities; Heart, diseases
 —angiocardioangiographic study of atrial thrombi with surgical-pathological correlation (ab), Harold A. Lyons et al., July, 146
 —angiocardioangiography with Hypaque-M, 90 per cent (ab), William T. Meszaros et al., Oct., 662
 —cause of death in cardioangiography (ab), Raymond C. Read, Sept., 495
 —complications of selective angiocardioangiography, Theodore F. Hilbush and Jean R. L. Herdt, Aug., 197
 —device for timing cineangiograms using electrocardiogram (ab), Graeme Sloman and J. G. Davies, Aug., 318
 —factors controlling rate of injection of contrast media in angiocardioangiography (ab), J. W. Laws and J. G. C. Fox, Dec., 978
 —isolated congenital pulmonic valvular regurgitation: diagnosis by cardiac catheterization and angiocardioangiography (ab), N. Perryman Collins et al., Dec., 980
 —radiologic study of stenosis of aortic isthmus: contribution of angiocardioangiography; study of 116 cases (ab), P. Santy et al., Oct., 663
 —Takayasu's disease: case with angiocardioangiography (ab), John Cosma et al., Aug., 316
 —thoracic aortography versus levoangiocardioangiography (ab), A. Castellanos et al., July 147
 —vascular injector with program selector, Kurt Amplatz, Dec., 955
- CAREY, JOHN M.** See GREER, ALLEN E.
- CARLSSON, L. D., and JACKSON, B. H.**: The combined effects of ionizing radiation and high temperature on the longevity of the Sprague-Dawley rat (ab), Aug., 346
- CARO, COLIN G.** See LYONS, HAROLD A.
- CARON, J.** See WAREMBOURG, H.
- CARPENTER, M. E.** See NEWTON, T. H.
- CARRERA, G. M.** See OCHSNER, SEYMOUR FISKE
- CARROLL, HAROLD W., SPIVACK, ALFRED P., and BRAUER, RALPH W.**: Attempts to reproduce cirrhosis of the liver in rats after total-body x irradiation (ab), Aug., 346
- CARTA, G., and PIRASTU, F.**: Rare case of splanchnic siderosis (ab), Dec., 993

- CARTER, BARBARA L., JOHNSEN, SIGURD E., LOEFFLER, R., KENNETH, and SOUTHDARD, MARTHA E.**: Critical evaluation of external body surface counting in the determination of cardiac output with radioactive isotopes (ab), Aug., 336
- CARTILAGE.** See Joints; Osteochondritis; Sarcoma, chondrosarcoma
- CARVER, J. H.**: Interstitial radiation in the treatment of selected cases of cancer of the bladder (ab), Sept., 509
- CASE, JAMES T.** (obit), Sept., 469
—a tribute from Latin America, Sept., 471
- CASSETTE HOLDER.** See Roentgen Rays, apparatus
- CASTELLANOS, A., GARCIA, O., GONZALEZ, E., and PEREIRAS, R.**: Thoracic aortography versus levoangiocardiology (ab), July, 147
- GARCIA, O., GONZALEZ, E., PEREIRAS, R., and MERCADO, H.**: The lung-angiogram in tetralogy of Fallot: its practical importance, Nov., 774
- CASTIGLIANO, S., GORDON, and ROMINGER, C. JULES**: Field-shaping device for use in short wave length radiation therapy, Nov., 802
- CATE, DEBORAH L.** See CONIGLIO, JOHN G.
- CATHARTICS**
—preparation of colon for radiological investigation using new laxative (Dulcolax) (ab), Josse Kaye, Dec., 986
- CATHETERS AND CATHETERIZATION**
See also Heart, catheterization
—angiography of internal carotid with use of catheter technic, P. Elvif, July, 80
- CAVERNOUS SINUS**
—intracavernous aneurysms of internal carotid artery: their clinical features and natural history (ab), S. P. Meadows, Aug., 307
- CAVINA, CESARE.** See Vichi, Gianfranco
- CAVUM VELI INTERPOSITI; CAVUM VERGAE.** See Brain, pathology
- CECUM**
—**CAREY**
—asymptomatic tuberculous enteritis simulating carcinoma of cecum (ab), Hubert U. Wagener et al., Sept., 497
- TUBERCULOSIS.** See Intestines, tuberculosis
- CEDERLUND, J.**: A three-electrode ionization condenser chamber (ab), Dec., 994
- CELLS**
See also Blood; Mouth; Tissue
—effects of dose-rate and protraction: a symposium. III. Problems of injury and repair in tissues and cells: a review (ab), G. Payling Wright, July, 170
- CEPHALOMETRY.** See Craniometry
- CEBELLONI-PONTILE ANGLE**
—pons angle tumor: encephalographic appearances (ab), Bengt Liljequist, Nov., 839
- CEREBELLUM**
—encephalography in Arnold-Chiari malformation (ab), Bengt Liljequist, Nov., 841
- CEREBRUM.** See Brain
- CESAREAN SECTION**
—cesarean section scar safety (as judged by hysterosalpingography) (ab), L. O. S. Poidevin, Sept., 503
- CESIUM, RADIOACTIVE.** See Radioactivity, radiocesium
- CHAGAS' DISEASE.** See Trypanosomiasis
- CHAIKOF, LEO.** See BRINKMAN, GEOFFREY L.
- CHAIN, E. B.**: Recent studies on carbohydrate metabolism (ab), Aug., 341
- CHAMBERLAIN, R. H.** See RAVENTOS, A.
- CHAMBERLAIN, W. EDWARD**, honored, Dec., 965
—lecture, Oct., 643
- CHAMBERS, DONALD.** See KING, LIONEL R.
- CHANIN, IRVING F.**, and **MCELWAIN, JACK W.**: Management of advanced radiation proctitis (ab), Sept., 515
- CHASLER, CHARLES N.** See ETTER, LEWIS E.
- CHASSARD, J. L.** See SANTY, P.
- CHAUDHURY, HARAPROSAD.** See BASU, BYOMKES
- CHEMICALS AND CHEMOTHERAPY**
See also under names of diseases and chemotherapeutic agents, as Nitrogen Mustards
dosimetry. See Dosimeters and Dosimetry
- CHEN, JEN-TI.** See TULSKY, EMANUEL G.
- CHENG, CHIN-SUNG.** See YANG, SZE-PIAO
- CHERNISH, S. M.** See FOUTS, P. J.
- CHERRY, C. P.**, and **GLUCKSMANN, A.**: Injury and repair following irradiation of salivary glands in male rats (ab), July, 169
- CHEST.** See Thorax
- CHESTER, MARTIN H.**, and **TULLY, JOHN B.**: Acute pericardial fat necrosis. Report of a case (ab), Aug., 314
- CHIANG, LAN-CHANG.** See YANG, SZE-PIAO
- CHIAPPA, S., DI MURO, G., and GARAVAGLIA, G. P.**: Arteriography of bone tumors and of the soft parts of the extremities (ab), Sept., 499
- CHILDREN**
See also Bones, growth; Heart, abnormalities; Infants, Newborn; Leukemia
—acute atrophy of thymus induced by adrenocorticosteroids, observed roentgenographically in living human infants: preliminary report (ab), John Caffey and Charles di Liberti, Sept., 492
- congenital sacral anomalies in children (ab), E. Durham Smith, Oct., 674
- cystography with controlled filling pressure in children (ab), Eric R. Christensen, Oct., 676
- diaphragmatic hernia in infancy (ab), J. O. Reed and E. F. Lang, July, 156
- duodenal ulcer in children; 3 cases (ab), B. Brunelli and A. Santino, Dec., 986
- excretory urography in infants and children: improved results through use of postero-oblique projections (ab), Alfred Jungmann, Nov., 854
- extra-adrenal pheochromocytoma in a child, John W. Hope and Richard J. Golinko, Nov., 791
- Hodgkin's disease in children: clinicopathological study of 46 cases (ab), James A. Pitcock et al., Aug., 333
- idiopathic adrenal calcification in infants and children (ab), J. Luther Jarvis and William B. Seaman, July, 163
- infantile structural scoliosis (ab), J. I. P. James et al., Sept., 501
- intercostal lung bulging, an early roentgen sign of emphysema in children, S. Schorr and D. Ayalon, Oct., 544
- mesenteric cysts in infancy and childhood: review of literature and report of case (ab), Ernest E. Arnhem et al., Oct., 669
- nephroblastoma (Wilms' tumor): prognosis more favorable in infants under one year of age (ab), John K. Lattimer et al., Oct., 679
- osteoid osteoma of spine: cause of backache and scoliosis in children and young adults, Robert H. Freiberger, Aug., 232
- Pneumocystis carinii pneumonia, Caroline W. Rowe, Aug., 257
- pseudosubluxation of axis in children (ab), George Jacobson and H. Harlan Bleeker, July, 143
- psychosomatic approach to recurrent abdominal pain in childhood, with particular reference to x-ray appearances of stomach (ab), Sv. Heimild et al., Dec., 984
- radiologic aid in regional and generalized emphysema of lungs in infants (ab), Edwin J. Liebner, Nov., 843
- rheumatoid lung disease; case which developed in childhood (ab), Geoffrey L. Brinkman and Leo Chaikof, Sept., 488
- roentgenologic aspects of cerebral angiography in children (ab), Juan M. Taveras and Charles M. Poser, July, 141
- skull changes in infants with chronic iron-deficiency anemia (ab), Nasrullah T. Shahidi and Louis K. Diamond, Nov., 842
- thoracic roentgen hypertransparency during asphyxic syndromes in infancy (ab), Gianfranco Vichi and Cesare Cavina, Dec., 976
- transient synovitis of hip joint in children (ab), Alexander Spock, Nov., 853
- treatment of hemangiomas in children with strontium 90 (ab), E. Frey, Sept., 512
- use of water-soluble urographic contrast medium in pediatric gastrointestinal studies (ab), Carroll Z. Berman and Norman L. Ayten, Dec., 986
- CHILDSD, DONALD S.** (obit), July, 128
- CHIMERA.** See Roentgen Rays, effects
- CHIN, C. W.** See SANDERS, AARON P.
- CHOLANGIOPERTONEUM.** See Bile Ducts, roentgenography
- CHOLECYSTAGOGUES.** See Gallbladder, physiology
- CHOLECYSTOGRAPHY.** See Gallbladder, roentgenography
- CHOLECYSTOKININ**
—effectiveness of oral cholecystagogues and intravenous cholecystokinin in producing bile duct visualization during oral cholecystography, Howard H. Feigelson, J. Edward Berk, Myron H. Joyrich, Raymond A. Gagliardi, and Arthur S. Shufro, Aug., 268
- CHOLEDOCHUS.** See Bile Ducts
- CHOLEGRAPHY.** See Biliary Tract, roentgenography
- CHONDROSARCOMA.** See Sarcoma, chondrosarcoma
- CHORDOMA.** See Tumors, chordoma
- CHORIOCARCINOMA.** See Cancer, chorionic
- CHRISTENSEN, ERIC ROSTGAARD:** Cystography with controlled filling pressure in children (ab), Oct., 676
- CHRISTENSEN, W. R.** See PALUBINSKAS, A. J.
- CHRISTMAS DISEASE.** See Diathesis, Hemorrhagic
- CHRISTOFORIDIS, A. J.** See ANDREWS, NEIL C.
—See NELSON, SIDNEY W.
- CHROMATOGRAPHY**
—recent studies on carbohydrate metabolism (ab), E. B. Chain, Aug., 341
- CHROMIUM, RADIOACTIVE.** See Radioactivity, chromium
- CHU, FLORENCE C. H., CONRAD, JOHN T., BANE, HARRY N., GLICKSMAN, ARVIN S., and NICKSON, JAMES L.**: Quantitative and qualitative evaluation of skin erythema. I. Technic of measurement and description of the reaction Sept., 406
- See GLICKSMAN, ARVIN S.
- SCHERF, ALAN C.**, and **GASPAR-LANDERO, JORGE**: Electron-beam therapy in the management of carcinoma of the breast, Oct., 559
- See SYKES, MARGUERITE P.
- CHYLOTHORAX**
—chylothorax: a complication of translumbar aortography, Ferris E. Cook, Jr., Robert A. Flaherty, Charles L. Willmarth and Paul R. Langelier, Aug., 251
- puncture of thoracic lymph duct with chylothorax: a rare complication of aortography, Enrique Schwarz, Aug., 248
- CHYNN, KUO YORK, and EVANS, JOHN A.**: Nephrotomography in the differentiation of renal cyst from neoplasm: a review of 500 cases (ab), Nov., 854
- CIMMINO, CHRISTIAN V.**: Sign of the burnous in the stomach, Nov., 722

- CINEANGIOCARDIOGRAPHY.** See Cineortogenography
- CINEFLUOROGRAPHY.** See Cineortogenography
- CINEMATOGRAPHY.** See Cineortogenography
- CINEPYELOGRAPHY.** See Cineortogenography
- CINEORTGENOGRAPHY**
- application of x-ray cinematography in urology: I. Mechanism of ejaculation (ab), Hideo Mitsuwa et al., Nov., 855
 - cineangiography of coronary circulation in living dogs (ab), Graeme Sloman and Keith Jefferson, Nov., 845
 - cineradiographic study of postresectional alterations in oropharyngeal physiology (ab), Donald P. Shedd et al., Nov., 843
 - cineortogenographic studies of gastrointestinal motility in healthy subjects and in patients with gastric or duodenal ulcer, with special reference to various methods of gastrectomy and the dumping syndrome (ab), S.-O. Liljedahl et al., July, 152
 - device for timing cineangiograms using electrocardiogram (ab), Graeme Sloman and J. G. Davies, Aug., 318
 - dynamic variability of the choledocho-pancreatico-duodenal junction: a roentgen cinematographic investigation (ab), B. Jacobsson et al., Aug., 324
 - esophageal pressure and motility in animals: cineradiographic and manometric study (ab), G. S. Muller Botha, Aug., 318
 - factors influencing image quality in cineortogenography (ab), J. A. Campbell et al., Dec., 991
 - pelvi-ureteric junction: a cinepyelography study (ab), Howard G. Hanley, Oct., 675
 - peripheral arteriography utilizing image amplification and cineradiography (ab), Robert I. Lowenberg and Robert M. Lowman, Nov., 844
 - rotational cinefluorography (ab), Fred S. Winter and J. Stauffer Lehman, Aug., 330
 - use of cinefluorography in upper gastrointestinal disturbances (ab), Samuel J. Stabins et al., Oct., 667
- CIRCULATION.** See Arteries; cerebral; Arteries, renal; Brain, blood supply; Heart, abnormalities; Veins
- CIRRHOSIS.** See Liver, cirrhosis
- CISTERS, SUBARACHNOID**
- changes in ambient wing cisterns secondary to intracranial masses (ab), Alfred L. Schmitz, July, 143
 - subarachnoid cisterns: an anatomic and roentgenologic study (ab), Bengt Liljequist, Sept., 484
- CLAASSEN, LEON.** See JACOBY, JAY
- CLAGETT, O. THERON.** See CONNOLLY, DANIEL C.
- See HODGSON, CORRIE H.
- CLARKE, K. H.** See LIDGETT, KELVIN
- CLAYTON, R. S.** and DuBOSE, H. A., Jr.: Storage facilities for radioactive materials: practical homemade units, Oct., 615
- CLOWARD, RALPH B.**: Cervical diskography: a contribution to the etiology and mechanism of neck, shoulder and arm pain (ab), Oct., 674
- COBALT, RADIOACTIVE.** See Radioactivity, radiocobalt
- COCCIDIOMYCOSIS**
- late progression of pulmonary coccidiomycosis (ab), Maurice J. Small, Sept., 489
- COGAN, DAVID G.**: Ocular effects of radiation (ab), Sept., 515
- COHEN, GEORGE.** The radiological demonstration of Draconulus medinensis (ab), Oct., 677
- See KATZ, JOSEPH
- COHEN, M.**: Physical aspects of roentgen therapy using wedge filters. I. Some new copper wedges and their applications (ab), Aug., 333
- Physical aspects of roentgen therapy using wedge filters. II. Analysis of wedge field dosimetry (ab), Aug., 333
- Physical aspects of roentgen therapy using wedge filters. IV. A new wedge principle using graphite and tin (ab), Aug., 333
- and BURNS, J. E.: Physical aspects of roentgen therapy using wedge filters. III. The effect on wedge fields of variations in kV and other factors (ab), Aug., 333
- COIN LESION.** See Lungs
- COLE, LEONARD J.** See NOWELL, PETER C.
- COLITIS**
- ulcerative
 - roentgenologic findings in ulcerative colitis with malignant degeneration (ab), N. P. G. Edling et al., July, 154
 - toxic megacolon in ulcerative colitis (ab), James L. A. Roth et al., July, 154
 - “toxic” segmental dilatation of colon during course of fulminating ulcerative colitis: roentgen findings (ab), Bernard S. Wolf and Richard H. Marshak, Oct., 671
- COLLATERAL CIRCULATION.** See Brain, blood supply
- COLLIER, FRED C.**, DOWLING, EDMUND A., PLOTT, DWIGHT, and SCHNEIDER, HAROLD: Teratoma of the lung (ab), July, 144
- COLLINS, N.** PERRYMAN, BRAUNWALD, EUGENE, and MORROW, ANDREW G.: Isolated congenital pulmonary valvular regurgitation. Diagnosis by cardiac catheterization and angiography (ab), Dec., 980
- COLLO, G., and FAVERO, F.**: Aortography in nephrolithiasis (ab), Dec., 990
- COLON**
- See also Colitis; Intestines; Gastrointestinal Tract; Sigmoid
 - colon sphincters simulating organic disease, Arch W. Templeton, Aug., 237
 - ganglionic. See Colon, dilatation
- CANCER**
- calcification in carcinoma (ab), G. J. Green, Aug., 321
 - coexisting carcinoma and diverticula of colon; review of 355 cases of carcinoma of colon (ab), Joseph L. Ponka et al., July, 154
 - radiological study of postoperative recurrence of carcinoma of colon on suture line of end-to-end anastomosis (ab), S. Benetatos, Nov., 848
 - roentgenologic findings in ulcerative colitis with malignant degeneration (ab), N. P. G. Edling et al., July, 154
 - dilatation
 - similarities of mechanical intestinal obstruction and aganglionic megacolon in newborn infant; review of 64 cases (ab), Orvar Swenson and Franklin Z. Davidson, Nov., 848
 - toxic megacolon in ulcerative colitis (ab), James L. A. Roth et al., July, 154
 - “toxic” segmental dilatation of colon during course of fulminating ulcerative colitis: roentgen findings (ab), Bernard S. Wolf and Richard H. Marshak, Oct., 671
- DIVERTICULA.** See Intestines, diverticula
- FISTULA.** See Fistula
- INFARCTION**
- fatal infarction of descending colon after lumbar aortography (ab), R. K. Padhi, Nov., 848
- INTUSSUSCEPTION.** See Intussusception
- OBSTRUCTION**
- role of ileocecal valve in large bowel obstruction; preliminary report, Leon Love, Sept., 391
- PERFORATION.** See Intestines, perforation
- ROENTGENOGRAPHY.** See also Intestines, roentgenography; other subheads under Colon
- colon in systemic sclerosis (scleroderma) (ab), William T. Meszaros, Oct., 671
 - perforation of colon during examination by double-contrast method (ab), Pal Löring and Folke Brahm, Oct., 670
 - preparation of colon for radiological investigation using new laxative (Dulcolax) (ab), Josse Kaye, Dec., 986
- SURGERY.** See Colon, cancer
- TUMORS**
- roentgen features of diffuse lymphosarcoma of colon, Bernard S. Wolf and Richard H. Marshak, Nov., 733
 - volvulus. See Intestines, volvulus
- COMAR, CYRIL L.**: Radioactivity in foods. Council on Foods and Nutrition, American Medical Association (ab), Aug., 344
- CONIGLIO, JOHN G., CATE, DEBORAH L., BENSON, BRYANT, and HUDSON, GRANVILLE W.**: Oxidation to $C^{14}O_2$ and conversion to fatty acids of C^{14} -glucose in livers of normal, fasted and x-irradiated rats (ab), Aug., 341
- CONNIN, F. DIXON.** See BEARD, ALICE GAMBLE
- CONNOLY, DANIEL C., DRY, THOMAS J., GOOD, C. ALLEN, CLAGETT, O. THERON, and BURCHELL, HOWARD B.**: Chronic idiopathic pericardial effusion without tamponade (ab), Oct., 662
- CONRAD, JOHN T.** See CHU, FLORENCE C. H.
- CONSULTATIONS**
- the roentgenologist as a consultant (ed), Robert S. Sherman, Aug., 293
- CONTRAST MEDIA**
- See also Brain, blood supply; Colon, roentgenography; Gallbladder; Iodine and Iodine Compounds; Spinal Cord; etc.
 - cardiac effects of intracoronary arterial injections of various roentgenographic contrast media (ab), Santiago V. Guzman and James W. West, Aug., 316
 - comparison of traumatic effect of different roentgen contrast media on blood vessels (ab), G. Zinner and R. Gottlob, Aug., 317
 - inexpensive device for rapid injection of contrast material, George C. Sutton and Howard C. Burkhead, Aug., 292
- COOK, FERRIS E., JR., FLAHERTY, ROBERT A., WILLMARTH, CHARLES L., and LANGELIER, PAUL R.**: Chylothorax: a complication of translumbar aortography, Aug., 251
- COOK, JAMES C., KRABBEHOFT, KENNETH L., and LEUCUTIA, T.**: Combined radium and nitrogen mustard therapy in Hodgkin's disease as compared with radiation therapy alone (ab), Sept., 511
- COOLEY, DENTON A.** See CRAWFORD, E. STANLEY
- See SINGLETON, EDWARD B.
- COOLEY, ROBERT M.** See BLOCKER, T. G., Jr.
- See AGNEW, COLVIN H.
- COOPER, GEORGE, JR.**: Minimizing the genetic hazard of medical radiation (ab), Oct., 686
- See GEARING, FRANK
- COOPER, THEODORE.** See BRAUNWALD, EUGENE
- COPPER FILTERS.** See Roentgen Therapy
- CORCORAN, A. C.** See KLAPPROTH, H. J.
- CORDAY, ELIJOT.** See LINSMAN, JOSEPH F.
- CORONARY VESSELS**
- abnormal congenital fistulous communications of coronary arteries (ab), Guido Currraro et al., July, 149
 - cardiac effects of intracoronary arterial injections of various roentgenographic contrast media (ab), Santiago V. Guzman and James W. West, Aug., 316
 - cineangiography of coronary circulation in living dogs (ab), Graeme Sloman and Keith Jefferson, Nov., 845
 - congenital coronary arteriovenous fistula associated with large patent ductus (ab), Lewis H. Bosher, Jr., et al., Aug., 316

CORONARY VESSELS—cont.

- coronary arteriography: development of a method in animals with particular attention to physiologic effects, Sidney W. Nelson, William Molnar, Anthimos Christoforidis and Clarence Britt, July, 34
- coronary arteriography during induced cardiac arrest and aortic occlusion (ab), Charles T. Dotter et al., Sept., 494
- coronary arteriography with aid of acetylcholine (ab), G. Arnulf and P. Buffard, Dec., 981
- intramural coronary artery on angiogram (ab), W. Porstmann and J. Iwig, Dec., 981
- problem of coronary arteriography: experiments on dogs with mammary-coronary anastomoses (ab), W. Porstmann and P. Kokkalis, Oct., 664
- transcatheter coronary arteriography in man with emphasis on intercoronary arterial anastomosis, William Molnar, Charles V. Meckstroth, Sidney W. Nelson and Richard W. Booth, Aug., 185
- use of ^{131}I -labeled fat in study of lipid handling in patients with coronary artery disease (ab), Robert H. Seller et al., July, 167

CORTICOSTEROID THERAPY. See Adrenocortical Preparations

CORTISONE. See Adrenocortical Preparations

COSMA, JOHN, MARUYAMA, YOSH, PETTET, J. R., and CUTSHALL, VINCENT: Takayasu's disease: a case report with an angiographic study (ab), Aug., 316

COTSLIMBAS, D. See VATOPOULOS, C.

COUCH, O. A. Jr.: Cardiac aneurysm with ventricular tachycardia and subsequent excision of aneurysm: case report (ab), Aug., 315

COUCH, R. S. Jr. See NEWTON, T. H.

COUNTERS AND COUNTING

- clinical value of liver photoscanning (ab), Donald A. Fee and Sylvia O. Fedoruk, Nov., 862
- critical evaluation of external body surface counting in determination of cardiac output with radioactive isotopes (ab), Barbara L. Carter et al., Aug., 336
- employment of scanning in accurate localization of spinal cord tumors (ab), F. M. Lyass and B. I. Smagin, Nov., 862
- hepatosintigrams after injection of denatured serum albumin marked with ^{131}I (ab), B. Delaloye et al., Oct., 683
- measurement of cardiac output using a radioisotope and a scintillation counter (ab), W. A. Seldin et al., Aug., 336
- radioactive Haemopexin renogram: assessment of renal function with automatic external scintillation detection equipment (ab), Torsten Denneberg and Inge Hendenskog, Dec., 991
- radioiodine in evaluation of thyroid nodule (experience with new type counting system) (ab), Robert E. Mack and Leroy F. Ortmeyer, Oct., 681
- visualization of renal parenchyma by scintiscanning with ^{99m}Tc Neohydron, John G. McAfee and Henry N. Wagner, Jr., Nov., 820
- visualization of spleen in man by radioisotope scanning, James W. Winkelman, Henry N. Wagner, Jr., John G. McAfee and James M. Mozley, Sept., 465

COVA, PIER LUIGI. See MEDA, PIERO

COXA PLANA. See Osteochondritis deformans juvenilis

CRACOVANER, ARTHUR J.: Hyperkeratosis of the larynx (ab), Sept., 507

CRANE, JACKSON T. See STEINBACH, HOWARD L.

CRANIOMETRY

- clinical evaluation of pelviscephalography; review of 1,200 cases (ab), Edward L. King et al., Nov., 854

CRANUM

See also Craniometry; Head; Occipital Bone; Temporal Bone

absence of. See Monsters

blood supply

—roentgenologic study of vascular markings of skull (ab), Constantine S. Soter and John H. Gilmore, Nov., 841

diseases

—Paget's disease of skull and secondary basilar impression (ab), J. W. D. Bull et al., Oct., 654

echinococcosis

—echinococcus disease of calvarium (ab), E. Samiy, July, 158

pathology

—skull changes in infants with chronic iron-deficiency anemia (ab), Nasrullah T. Shahidi and Louis K. Diamond, Nov., 842

pneumatocele. See Pneumocephalus

tumors —changes in ambient wing cisterns secondary to intracranial masses (ab), Alfred L. Schmitz, July, 143

—hemangioma of base of cranium and its roentgen characteristics (ab), A. Tänzer, Sept., 485

—intracranial chordoma (ab), Remzi Demir and A. Theodore Stegmann, Sept., 484

—intracranial epidermoid and dermoid tumors (ab), Franklin J. Keville and Burton L. Wise, July, 143

—multiple myeloma presenting clinically as solitary tumor of skull: case (ab), J. M. Hoffman and H. van Z. de Clerk, Oct., 656

—sarcoma following radiation injury of skull (ab), Antolin Raventos et al., Nov., 863

CRAWFORD, E., STANLEY, De BAKEY, MICHAEL E., FIELDS, WILLIAM S., COOLEY, DENTON A., and MORRIS, GEORGE C., Jr.: Surgical treatment of atherosclerotic occlusive lesions in patients with cerebral arterial insufficiency (ab), Aug., 306

CRETINISM

—bone changes in adult cretins (ab), I. B. D. Middlemass, Aug., 326

—defect of iodinating system in congenital goitrous cretinism: case with biochemical studies (ab), Heskel M. Haddad and J. B. Sidbury, Jr., Sept., 512

—relationship of iodine metabolism and bone structure in endemic cretinism (ab), M. P. König and P. Veraguth, Sept., 501

CRITTENDEN, I., HUNTER, ADAMS, FORREST H., and MULDER, DONALD G.: Syndrome featuring defects of the heart, sternum, diaphragm, and anterior abdominal wall (ab), July, 147

CRONKITE, E. P. See FLIEDNER, T. M.

—See LIPPINCOTT, S. W.

CROOKS, H. E. See ARDRAN, G. M.

CROOKS, JAMES, BUCHANAN, W., WATSON, WAYNE E. J., and MACDONALD, E.: Effect of pretreatment with methythiouracil on results of ^{131}I therapy (ab), Nov., 859

CROSS, LAWRENCE C. See ETTER, LEWIS E.

CROW, NEIL E. See GREEN, ALLAN E., Jr.

CRUCHAUD, S. See DELALOYE, B.

CRUMP, E. PERRY. See TARLETON, GADSON J., Jr.

CRYSTALS. See Photoconductance Crystals

CURLEY, HENRY E. See SMITH, DURWOOD J.

CURRARINO, GUIDO, SILVERMAN, FREDERIC N., and LANDING, BENJAMIN H.: Abnormal congenital fistulous communications of the coronary arteries (ab), July, 149

CURTISS, PAUL H., Jr., and KINCAID, WILLIAM E.: Transitory demineralization of the hip in pregnancy: a report of three cases (ab), Aug., 327

CUSHING'S SYNDROME

—implantation of pituitary with yttrium 90 in case of Cushing's syndrome (ab), G. M. Molinatti et al., Aug., 340

—radiological bone changes in Cushing's syndrome and steroid therapy (ab), R. O. Murray, Nov., 850

CUTSHALL, VINCENT. See COSMA, JOHN

CYANOSIS. See Schistosomiasis

CYLINDROMA. See Trachea, tumors

CYSTEINE. See Cystine and Cysteine

CYSTICERCOSIS. See Brain, cysticercosis

CYSTINE AND CYSTEINE

—factors influencing radioprotective action of cysteine: effects in *Escherichia coli* due to drug concentration, temperature, time, and pH (ab), Henry I. Kohn and Shirley E. Gunter, Oct., 690

CYSTOSIS. See Bladder, inflammation

CYSTOGRAPHY. See Bladder, roentgenography

CYSTOURETHROGRAPHY. See Bladder, roentgenography: Urethra

CYSTS

See also Adrenals; Bile Ducts; Bronchi; Kidneys; Mesentery, etc.

—intradural. See Spine, cysts

CYTOLOGY. See Mouth

D

DAHL, O. See HULTBERG, S.

DAHLGREN, SVEN: Venography in fractures of the femoral neck (ab), Dec., 989

DAIKOS, G. K., and KOUTRAS, D. A.: Radiochromium in determination of blood volume changes (ab), Sept., 513

DALRYMPLE, GLENN V. See GOULD, DAVID M.

DANARAJ, T. J. See KHOO, F. Y.

D'ANGIO, GIULIO J., EVANS, AUDREY E., and MITUS, ANNA: Roentgen therapy of certain complications of acute leukemia in childhood (ab), Sept., 510

DATTA, HARISADHAN. See BASU, BYOMKES

DAVES, MARVIN L. See HILBISH, THEODORE F.

DAVIDSON, FRANKLIN Z. See SWENSON, ORVAR

DAVIES, HUGH. See PALUBINSKA, A. J.

DAVIES, J., BROWN, E. B., JR., STEWART, D., TERRY, C. W., and SISSON, J.: Transfer of radioactive iron via the placenta and accessory fetal membranes in the rabbit (ab), Aug., 341

DAVIES, J. G. See SLOMAN, GRAEME

DAVIS, FRANK W., JR. See BROWN, WEBSTER H.

DAVIS, HUGH J. See JONES, HOWARD W., Jr.

DAY, EUGENE D., and ŽDARČA, AHSEN: Extent of nonspecific background localization of radioiodinated serum proteins in human tumor and normal tissues (ab), Oct., 683

—PLANINSEK, JAKOB A., and PRESSMAN, DAVID: Localization of radioiodinated rat fibrinogen in transplanted rat tumors (ab), Aug., 338

DAZZI, C., and GARCIA, M.: Microroentgenographic study of Paget's disease (ab), Dec., 988

DEALY, JAMES B., JR.: Theory and practice of total-body irradiation in the dawn of the homograft era, July, 11

DeBAKEY, MICHAEL E. See CRAWFORD, E. STANLEY

deCARVALHO, MIGUEL PAES. See HOFFMAN, HOWARD A.

INDEX

1009

NAEL E.,
A., and
ment of
cerebral

Middlemass,

retinism;

Haddad

structure in

Veraguth,

H., and
defects
abdomi-WAYNE,
treatment
(b), Nov.

N., and

dental
es (b),

Transi-

report

of Cush-

and ster-

ne: ef-

n. tem-

Shirley

raphy:

Mesen-

memor

um in

Sept.,

ITUS,

ons of

ERRY,

via

the

aspe-

33

local-

anted

ly of

body

ARD

- DECKER, HERBERT M. See GUYTON, H. GERALD
 DÉCOURT, LUIZ V. See de FARIA, J. LOPEZ
 DEEB, P. H. See ROSENQUIST, R. C.
 DEELEY, THOMAS J.: The effects of radiation on the lungs
 in the treatment of carcinoma of the bronchus (ab), Nov., 864
DEGLUTITION
 disorders
 —radiographic study of postresectional alterations in oropharyngeal physiology (ab), Donald P. Shedd et al., Nov., 843
 —lower esophageal ring; case (ab), James W. LaFave et al., Oct., 666
DeGOWIN, ELMER L., HODGES, ROBERT E., HAMILTON, HENRY E., and EVANS, TITUS C.: Thyrotoxicosis treated with small repeated doses of radioiodine (ab), Oct., 682
 de KLERK, H. van Z. See HOFFMAN, J. M.
 DELALOYE, B., MAGNENAT, P., and CRUCHAUD, S.: Hepatoscintigrams after the injection of denatured human serum albumin marked with ^{131}I (ab), Oct., 683
 de LORMIER, ALFRED A. (obit), Dec., 960
 DEMIR, REMZI, and STEEGMANN, A. THEODORE: Intracranial chordoma (ab), Sept., 484
DEMELINATION See Brain
 DENNEBERG, TORSTEN, and HENDENSKOG, INGE: The radioactive hypaque renogram. Assessment of renal function with automatic external scintillation detection equipment (ab), Dec., 991
DERMOKSIAN, GEORGE, and LAMB, LAWRENCE E.: Spontaneous pneumothorax in apparently healthy flying personnel (ab), Aug., 309
DERMOID TUMORS. See Tumors, dermoid
 de SILVA, C. C., and JAYARATNE, SUSANTHA: Traumatic multiple hyperostosis of bone (ab), Sept., 500
 DEUTSCH, ALAN S.: Ventricular septal defect: a review (ab), Dec., 978
 de VITO, F. See ARCHIBALD, R. M.
 DEWEY, WILLIAM C.: Vascular-extravascular exchange of ^{131}I plasma proteins in the rat (ab), Aug., 338
 DEXTER, LEWIS. See MOORE, CHARLES B.
DIAGNOSIS. See Roentgen Rays, diagnosis; under diseases, organs and regions
 DIAMOND, LOUIS K. See SHAHIDI, NASROLLAH T.
DIAPHRAGM
 —also Hernia, diaphragmatic
 —diaphragmatic changes incident to hepatic neoplasms (ab), Bernard S. Epstein, Aug., 322
 —increased distance between diaphragm and gastric fundus on roentgen picture: cause and simulation (ab), F. Longin and R. Schehl, Nov., 846
 —syndrome featuring defects of heart, sternum, diaphragm, and anterior abdominal wall (ab), I. Hunter Crittenden et al., July, 147
 —transient paradoxical movement of diaphragm (ab), Raymond A. Gagliardi et al., July, 157
 —rupture
 —roentgenologic diagnosis of rupture of diaphragm (ab), Osborne Bartley and Ingmar Wickbom, Nov., 849
 tumors
 —leiomyoma of diaphragm (ab), Jesse H. Meredith and H. H. Bradshaw, July, 156
DIAPHRAGM (for therapy units). See Radioactivity, radio-cobalt
DIATHESIS, HEMORRHAGIC
 —hemophilia and Christmas disease (ab), J. H. Middlemiss, Nov., 850
 DICZPALUSY, E., NOTTER, G., EDSMYR, F., and WEST-MAN, A.: Estrogen excretion in breast cancer patients before and after ovarian irradiation and oophorectomy (ab), Aug., 343
DIETHYLSTILBESTROL. See Estrogens
DIGESTIVE SYSTEM
 —also Gastrointestinal Tract; Stomach; etc.
 —radiographic study of postresectional alterations in oropharyngeal physiology (ab), Donald P. Shedd et al., Nov., 843
 di LIBERTI, CHARLES. See CAFFEY, JOHN
 DILLER, W. F., and HILLGER, H.: A contribution to bronchiolitis obliterans (ab), Nov., 843
 DINEEN, JOSEPH, ASCH, THANÉ, and PEARCE, JOHN M.: Retropitoneal fibrosis. An anatomic and radiologic review with a report of four new cases and an explanation of pathogenesis, Sept., 380
 DIONOSILO. See Iodine and Iodine Compounds
DISKOGRAPHY. See Spine, intervertebral disks
DIURETICS
 —visualization of renal parenchyma by scintiscanning with Hg^{203} Neohydriin, John G. McAfee and Henry N. Wagner, Jr., Nov., 820
 DIVELEY, REX L.: Low-back pain. Prevention through medical examination and selective job placement (ab), Sept., 501
DIVERTICULA. See Duodenum; Gallbladder; Intestines; etc.
 DNA (deoxyribonucleic acid). See Nucleins
 DOBBEN, GLEN D. See DRAKE, ELLERY T.
 —See DU SAULT, LUCILLE A.
 DOBLE, EUGENE H. (obit), Dec., 961
 DOCK, DONALD S. See MOORE, CHARLES B.
 DODD, GERALD D., JR. See RUTLEDGE, FELIX

- DOLL, E. See STEIM, H.
 DONNAN, M. G. F.: Radiographic demonstration of uterine developmental abnormality as a cause of abnormal lie of the foetus (ab), July, 162

DOSIMETERS AND DOSIMETRY

See also Radioactivity; Roentgen Therapy; Units of Radiation

- effects of dose-rate and protraction: a symposium. I. Patterns of response to whole-body irradiation: effect of dose intensity and exposure time on duration of life and tumor production (ab), R. H. Mole, July, 170
 - effects of dose-rate and protraction: a symposium. II. Adaptation to continuous irradiation: observations on rat intestine (ab), H. Quastler et al., July, 170
 - effects of dose-rate and protraction: a symposium. III. Problems of injury and repair in tissues and cells: a review (ab), G. Payling Wright, July, 170
 - general formula for axial depth dose derived from an empirical power law for tumor-air ratios, Paul M. Pfalzner, Sept., 438
 - measurement with chemical dosimetry of absorbed integral dose in large phantoms, L. H. Gevantman and J. H. Arndt, Oct., 599
 - measuring large radiation doses: a Nucleonics report (ab), Aug., 335
 - photoconductance crystals for intracavitary dosimetry, Emmanuel G. Tulsky, Jen-Ti Chen and Arthur Finkelstein, July, 98
 - three-electrode ionization condenser chamber (ab), J. Cedrelund, Dec., 994
- DOTTER, CHARLES T., FRISCHE, LOUIS H., HOSKINSON, WILLIAM S., KAWASHIMA, ETSUKO, and PHILLIPS, RONALD W.:** Coronary arteriography during induced cardiac arrest and aortic occlusion (ab), Sept., 494
- and GENISINI, GOFFREDO G.: Percutaneous retrograde catheterization of the left ventricle and systemic arteries of man, Aug., 171
- DOUGLAS, JAMES B.:** Radiation hazards from medical and dental uses of x-ray (ab), Aug., 344
- DOWDY, ANDREW H.:** See PRESSMAN, JOEL J.
- DOWLING, EDMUND A.:** See COLLIER, FRED C.
- DOWLING, J. THOMAS, INGBAR, SIDNEY H., and FREINKEL, NORBERT:** Failure of diethylstilbestrol to affect thyroidal accumulation and renal clearance of ^{131}I (ab), Aug., 336
- DRACUNCULUS**
 —radiological demonstration of Dracunculus medinensis (ab), George Cohen, Oct., 677
- roentgen findings in calcified dracunculosis (ab), M. Ghigo and M. Magrini, Dec., 993
- DRAINAGE**
 —radioopaque drains: marking soft rubber drains for x-ray visualization (ab), C. F. Taylor and W. A. Smiley, Jr., Aug., 331
- DRAKE, ELLERY T., and DOBBEN, GLEN D.:** Leiomyosarcoma of the uterus with unusual metastases (ab), July, 165
- DREIZEN, DAVID H.:** See ARNHEIM, ERNEST E.
- DREIZEN, JO G.:** See DREIZEN, SAMUEL
- DREIZEN, SAMUEL, SNODGRASSE, RICHARD M., DREIZEN, JO G., and SPIES, TOM D.:** Seasonal distribution of initial appearance of postnatal ossification centers in hand and wrist of undernourished children (ab), Nov., 852
- DREYFUSS, J. R., and WILLOCK, ROBERT G.:** The elevator esophagus: a fluoroscopic clue to possible organic disease, Dec., 914
- DRY, THOMAS J.:** See CONNOLLY, DANIEL C.
- DUBOIS, EDMUND L.:** See BULGRIN, JAMES G.
- DUBOSE, H. A., JR.:** See CLAYTON, R. S.
- DUCTUS ARTERIOSUS**
 —congenital absence of right pulmonary artery with patent ductus arteriosus and auricular septal defect: angiographic diagnosis (ab), Giulio Tori and Gianfranco Garusi, July, 148
- congenital coronary arteriovenous fistula associated with large patent ductus (ab), Lewis H. Bosher, Jr., et al., Aug., 316
- DUFRESNE, MAURICE R., GÉRIN-LAJOIE, LEON, and MALTAIS, ROGER:** Problems in hysterosalpingography (ab), Nov., 854
- DUGGAN, H. E., SCOTT, D. B., and WEIJER, DOROTHY L.:** Total body radiation and dose to the ovaries from a therapeutic dose of iodine-131 (ab), Oct., 682
- DUGGER, JOHN H.:** See FREUND, DONALD R.
- DULCOLAX.** See Cathartics
- DUMPING SYNDROME.** See Stomach, surgery
- DUNBAR, HOWARD S.:** See McDOWELL, FLETCHER H.
- DUNBAR, J. S., SKINNER, G. B., WORTZMAN, G., and STUART, J. R.:** An investigation of effects of opaque media on the lungs with comparison of barium sulfate, Lipiodol and Dionosil (ab), Sept., 490
- DUNHAM, CHARLES L.:** Some biomedical problems of the nuclear age, Nov., 815
- DUNN, ADOLPHUS W.:** Coxa plana in monozygotic male twins (ab), Nov., 853
- DUNTON, E. FRANK.:** See BLOCKER, T. G., Jr.
- DUODENUM**
 —dynamic variability of the choledocho-pancreatico-duodenal junction: a roentgen cinematographic investigation (ab), B. Jacobsson et al., Aug., 324

- DUODENUM**—*cont.*
- abnormalities
 - deformity of duodenal bulb caused by atypical localization of papilla of Vater (ab), K. Rosteck, Sept., 496
 - radiological diagnosis of congenital obstruction of duodenum (megaduodenum) (ab), C. A. B. J. Puylaert, Sept., 496
 - cancer
 - roentgen appearance of malignant tumor in duodenal bulb (ab), G. Piazza and M. Ongaro, Dec., 986
 - diverticula
 - radiological demonstration of common bile-duct terminating in duodenal diverticulum of papillary region; 4 cases (ab), J. Munk, Aug., 325
 - mucosa
 - redundant duodenal mucosal folds and retrograde prolapse through pylorus (ab), Karl Mendl and Mary E. Sharp, Nov., 847
 - obstruction. See also Duodenum, abnormalities; Intussusception
 - arteriomesenteric duodenal occlusion; report of 8 proved cases (ab), Rudolfo M. Lontok and Kenneth W. Taber, Aug., 321
 - ulcers. See Peptic Ulcer
 - DU SAULT, LUCILLE A., EYLER, WILLIAM R., and DOBBEN, GLEN D.**: Combination of oxygen and optimum fractionation in radiation therapy of adenocarcinoma (ab), Aug., 333
 - DuSHANE, JAMES W.**. See VICKERS, CHARLES W.
 - DUVALL, GENE**. See MENSOR, MERRILL C.
 - DYBICKI, JERZY, BALCHUM, OSCAR J., and MENEELY, GEORGE R.**: Treatment of pleural and peritoneal effusion with intracavitary colloidal radiogold (Au^{198}) (ab), Sept., 511
 - See BALCHUM, OSCAR J.
 - DYCHE, G. M., and MACKAY, N. R.**: The intracavitary treatment of the bladder with radioactive colloidal gold (ab), Oct., 679
 - Techniques for the intracavitary treatment of bladder neoplasms with radioactive solutions contained in a rubber balloon (ab), Oct., 679
 - DYER, ISADORE**. See KING, EDWARD L.
 - DYES**
 - cardio-green
 - use of radioactive krypton and cardio-green dilution curves in detection of experimental portal-systemic venous shunts (ab), Robert J. L. Long et al., Nov., 863
 - rose bengal. See Liver, function tests
 - DYNAPULSE TIMER**. See Roentgen Rays, apparatus
 - DYSCHONDROPLASIA**
 - osteochondrodystrophy (Morquio's disease) in three generations (ab), J. J. P. Lomas and A. C. Boyle, Aug., 325
 - DYSON, N. A., HUGH-JONES, P., NEWBERRY, G. R., SINCLAIR, J. D., and WEST, J. B.**: Studies of regional lung function using radioactive oxygen (ab), Nov., 862
 - DYSOSTOSIS, HEREDITARY ENCHONDRAL**. See Epiphyses
 - E**
 - EASTERDAY, O. D.**. See LIPPINCOTT, S. W.
 - EBAN, R. E.**. See BRUNTON, F. J.
 - EBERHARD, THEODORE P.** (obit), Dec., 959
 - ECHINOCOCcosis**. See Cranium, echinococcosis
 - ECKER, ARTHUR**. See GENINI, GOFFREDO G.
 - EDEIKEN, JACK, and NAGLE, WILLIAM**: Hyperparathyroidism with pseudoerosion of the sella turcica. Report of case (ab), July, 143
 - EDEMA**. See Extremities; Lungs
 - EDITORIALS**
 - Forty-Sixth Annual Meeting, Radiological Society of North America, Theodore J. Wachowski, Sept., 467
 - radiation and borrowed tissues, Richard H. Chamberlain, July, 123
 - radiotherapy in Great Britain, Christian V. Cimmino, July, 124
 - the editor's responsibility, Nov., 822
 - the roentgenologist as a consultant, Robert S. Sherman, Aug., 293
 - uses of fluoroscopy, John McClenahan, Oct., 620
 - what the mirror sees, Robert P. Barden, Dec., 957
 - EDLING, N. P. G., LAGERCRANTZ, R., and ROSENQVIST, H.**: Roentgenologic findings in ulcerative colitis with malignant degeneration (ab), July, 154
 - EDSMYR, F.**. See DICZFALUSY, E.
 - EDUCATION**
 - Association of University Radiologists, Aug., 296
 - Children's Memorial Hospital (Chicago) fellowship, Sept., 476
 - continuation course in radiation therapy for radiologists, University of Minnesota, Oct., 644
 - course in clinical use of radioactive isotopes, Columbia University, Dec., 961
 - course in special radiation procedures in cancer, Queens Hospital Center, N.Y., July, 125
 - diagnostic radiology course, University of California, San Francisco, Dec., 965
 - isotopes course, Queens Hospital Center, New York, Dec., 964
 - Picker Foundation awards, Nov., 826
 - Picker Foundation fellowships, Oct., 644
 - radiology and radioactive isotopes: postgraduate course, University of Kansas, Dec., 964
 - training program in Radiation Biology and Cancer-Related Research, Bowman Gray School of Medicine, Dec., 965
 - University of Cincinnati fellowships, Dec., 965
 - EDYE, BENJAMIN, VOSS, K. B., and MANCHESTER, E. G. H.**: Radiological detection of Meckel's diverticulum (ab), Sept., 497
 - EFFUSIONS**
 - See also Pericardium, effusion; Pleurisy, with effusion
 - treatment of pleural and peritoneal effusion with intracavitary colloidal radiogold (Au^{198}) (ab), Jerzy Dybicki et al., Sept., 511
 - EGAN, ROBERT L.**: Experience with mammography in a tumor institution. Evaluation of 1,000 studies, Dec., 894
 - EHLERS-DANLOS SYNDROME**
 - Ehlers-Danlos syndrome with arco-osteolysis (ab), T. H. Newton and M. E. Carpenter, Oct., 673
 - EICHWALD, MAX**. See BUDIN, EARL
 - EIKEN, M.**: Coarctation of the aorta. Atypical localization central to the origin of the innominate artery (ab), Dec., 980
 - EJACULATION**
 - application of x-ray cinematography in urology. I. Mechanism of ejaculation (ab), Hideo Mitsuya et al., Nov., 855
 - ELECTROCARDIOGRAPHY**. See Heart, electrocardiography
 - ELECTROSCOPY**
 - See also Microscopy
 - electron-beam therapy in management of carcinoma of breast, Florence C. H. Chu, Alan C. Scheer and Jorge Gaspar-Landero, Oct., 559
 - impressions of value of megavoltage irradiation in treatment of malignant neoplasia (ab), William Woods, Sept., 511
 - measuring large radiation doses: a Nucleonics report (ab), Aug., 335
 - megavoltage radiotherapy (ab), W. P. Holman and J. H. Martin, Sept., 511
 - National Bureau of Standards high-energy, high-intensity linear electron accelerator, Aug., 297
 - ELFVIN, P.**: Angiography of the internal carotid with use of the catheter technic, July, 80
 - ELLIS, F.**. See WILSON, C. W.
 - ELLIS, KENT, LEEDS, NORMAN E., and HIMMELSTEIN, AARON**: Congenital deficiencies in the parietal pericardium. A review with 2 new cases including successful diagnosis by plain roentgenography (ab), Aug., 313
 - ELLMAN, PHILIP, and OLIVER, R. A. M.**: Association of cardiac pulmonary haemosiderosis and fibrosis (ab), Sept., 490
 - EMBOLISM**
 - pneumoencephalography and air embolism: simulated anesthetic death (ab), Jay Jacoby et al., Sept., 486
 - EMERGENCIES**. See Radiations, protection against
 - EMERSON, E. B., Jr.**. See NICHOLSON, C. H.
 - EMERSON, G. L.**. See NICHOLSON, C. H.
 - EMMETT, M. L.**: Surface back-scatter for rectangular fields in the quality range from a half-value layer of 1 mm. of Al to cobalt 60 gamma radiation (ab), July, 167
 - EMPHYSEMA**
 - See also Pancreatitis
 - cholecystitis emphysematosa (pneumocholecystitis). See Gallbladder, diseases
 - mediastinal
 - located pneumomediastinum in newborn: a thymic "spinnaker sail" sign, John E. Moseley, Nov., 788
 - pulmonary
 - body-section roentgenography in evaluation and differentiation of chronic hypertrophic emphysema and asthma (ab), Robert G. Fraser and David V. Bates, Aug., 312
 - diagnosis of emphysema: a physical sign, a roentgenographic sign, and an oximeter test (ab), C. R. Woolf, Sept., 488
 - intercostal lung bulging, an early roentgen sign of emphysema in children, S. Schorr and D. Ayalon, Oct., 544
 - progressive bullous emphysema: "vanishing lung" (ab), Ernst Boye, July, 145
 - radiologic aid in regional and generalized emphysema of lungs in infants (ab), Edwin J. Liebner, Nov., 843
 - roentgenographic determination of total lung capacity: new method evaluated in health, emphysema and congestive heart failure (ab), Howard J. Barnhard et al., Dec., 974
 - ENCEPHALOGRAPHY**. See Brain; Cerebellopontile Angle
 - ENDOCRINE GLANDS**
 - See also under names of glands
 - endocrine significance of short metacarpals (ab), R. M. Archibald et al., Aug., 327
 - radiological changes and clinical incidence of endocrine effects in sellar and parasellar tumors, H. F. W. Pribram and G. F. Swann, Dec., 877
 - TUMORS**
 - upper gastrointestinal tract alterations in adenomatosis of endocrine glands, Ralph Schlaeger, Marjorie LeMay and Paul Werner, Oct., 517
 - ENDOTOXINS**
 - resistance to whole-body x-irradiation in rats made tolerant to bacterial endotoxins (ab), B. W. Zweifach et al., Nov., 866
 - ENEMAS**
 - new design for barium rectal tube, Edwin L. Lame, Aug., 289
 - ENGELS, EDWARD P., SMITH, ROBERT C., and KRANTZ, SIMON**: Bone sclerosis in multiple myeloma, Aug., 242
 - ENTENMAN, CECIL**. See KAY, ROBERT E.
 - ENTERITIS**. See Intestines, tuberculosis
 - ENTERLINE, HORATIO T.**. See WOLPERTH, CHARLES C., Jr.
 - ENZER, NORBERT**. See MARK, LLOYD K.

- Related-
c., 965**
- ESTER,
triculum**
- on
tracav-
ki et al.**
- ly in a
Dec., 894**
- T. H.**
- lization
(ab.), Dec.,**
- Mech
ov., 855
graphy**
- oma of
Jorge**
- treatment
511**
- art (ab.)**
- J. H.**
- intensity**
- of the**
- TEIN,
I per-
cessful**
- of car-
Sept.,**
- ulated**
- lds in
of Al**
- See**
- symic**
- entia-
(ab.)**
- graphic
188**
- phy-**
- (ab.),**
- ma of**
- new
tive
74**
- gle**
- M.**
- crine
ram**
- is of
and**
- rant
866**
- 289**
- TZ,
242**
- C.,**
- ENZYMEs. See Liver, enzymes**
- EOSINOPHILS**
- eosinophilic cystitis; case of eosinophilic infiltration of urinary bladder, A. J. Palubinskas, Oct., 589
 - roentgenographic appearance of eosinophilic lung (tropical eosinophilia) (ab), F. V. Khoo and T. J. Danaraj, Dec., 977
- EPIDERMOID TUMORS. See Tumors, epidermoid**
- EPHESYS**
- hereditary enchondral dysostosis; 12 cases in 3 generations mainly with peripheral location (ab), Per Ödman, July, 157
- EPSTEIN, BERNARD S.: Adjustable shielding device for use in diagnostic roentgenology, Sept., 458**
- Diaphragmatic changes incident to hepatic neoplasms (ab), Aug., 322**
- EPSTEIN, ELAINE: Pneumatosis cystoides intestinalis (ab), Aug., 321**
- ERÄMAA, E. See SIURALA, M.**
- ERYTHEMA**
- quantitative and qualitative evaluation of skin erythema. I. Technic of measurement and description of reaction, Florence C. H. Chu, John T. Conrad, Harry N. Bane, Arvin S. Glicksman and James J. Nickson, Sept., 406
 - quantitative and qualitative evaluation of skin erythema. II. Clinical study in patients on a standardized irradiation schedule, Arvin S. Glicksman, Florence C. H. Chu, Harry N. Bane and James J. Nickson, Sept., 411
- ERYTHROCYTES**
- determination of Cr⁵¹-tagged erythrocyte survival in hemolytic anemia during therapy (ab), W. Scheitlin and P. Frick, Dec., 996
 - experience with the in vitro erythrocyte uptake of I¹³¹-labeled l-triiodothyronine in a routine clinical laboratory (ab), Leonard R. Robbins, Aug., 337
 - in vitro uptake of P³² by red blood cells in thyroid disease (ab), Helen E. A. Farran et al., Aug., 338
 - quantitative determination of gastrointestinal bleeding using Cr⁵¹-labeled red blood cells (ab), G. Izak et al., Nov., 861
 - studies on anemia of tumor-bearing animals. IV. Distribution of radioiron after extravascular injection of labeled erythrocytes (ab), Robert E. Greenfield et al., Nov., 863
 - thyroid function measured by in vitro erythrocyte uptake (red-cell uptake) of I¹³¹-labeled l-triiodothyronine; results of 133 determinations (ab), O. Peter Schumacher and John W. King, Nov., 860
- ERYTHROPOETIC SYSTEM. See Hemopoietic System**
- ESOPHAGUS**
- lower esophageal ring; case (ab), James W. La Fave et al., Oct., 666
 - sideropenic webs in men (ab), F. J. Brunton and R. E. Eban, Nov., 846
- anatomy. See Esophagus, physiology**
- cancer**
- eighteen cases of cancer of esophagus treated with telecobalt therapy (ab), G. Pisani and Malaspina, Oct., 678
 - photoconductance crystals for intracavitary dosimetry, Emanuel G. Tulsky, Jen-Ti Chen and Arthur Finkelstein, July, 98
 - preliminary statistical survey of carcinoma of esophagus in African with special reference to acquired esophageal fistulae (ab), Joseph Katz and George Cohen, July, 151
 - roentgen therapy of intrathoracic neoplasms (ab), Franz Buschke, Aug., 332
- diseases**
- esophageal moniliasis, S. A. Kaufman, Saul Scheff and George Levene, Nov., 726
 - fistula. See Fistula**
 - motility**
 - elevator esophagus: a fluoroscopic clue to possible organic disease, J. R. Dreyfuss and Robert G. Wilcox, Dec., 914

physiology

 - anatomical and functional basis of gastroesophageal reflux as seen radiologically (ab), E. Zdansky, Aug., 318
 - esophageal pressure and motility in animals: cineradiographic and manometric study (ab), G. S. Muller Botha, Aug., 318

roentgenography. See also Esophagus, physiology

 - significance of esophagogastric angle for physiology and pathophysiology of cardia (ab), M. Rossetti, Oct., 667
 - the phrenic ampulla (ab), Geoffrey Hartagy, Aug., 318
 - use of cineradiography in upper gastrointestinal disturbances (ab), Samuel J. Stabins et al., Oct., 667

surgery

 - cardiospasm after pharyngo-esophageal resection; case (ab), Claude Bloch and Walter H. Jacobs, Dec., 981

tumors

 - benign tumor of esophagus in elderly female; case (ab), Irvin Hyatt and Sheldon C. Kravitz, Oct., 666
 - carcinosarcoma of esophagus (ab), C. J. B. Muller, July, 151
 - leiomyoma of esophagus (ab), Allen B. Green, Jr., et al., Nov., 846

ESTROGENS

 - estrogen excretion in breast cancer patients before and after ovarian irradiation and oophorectomy (ab), E. Diczfalusy et al., Aug., 343
 - failure of diethylstilbestrol to affect thyroidal accumulation and renal clearance of I¹³¹ (ab), J. Thomas Dowling et al., Aug., 336

**ETTER, LEWIS E., CHASLER, CHARLES N., and CROSS,
LAWRENCE C.: Reduced gonadal irradiation in pre-
natal chest roentgenographic examinations (ab), Dec., 997**

EVANS, AUDREY E. See D'ANGIO, GIULIO J.

EVANS, E. A. See MARTIN, J. H.

**EVANS, JOHN A., and MUJAHED, ZUHEIR: Roentgeno-
graphic aids in diagnosis of neoplasms of liver and extra-
hepatic ducts (ab), Oct., 672**

 - See CHYNN, KUO YORK
 - See MUJAHED, ZUHEIR
 - See STEINBERG, ISRAEL

EVANS, ROBERT A. See TAPLEY, NORAH duV.

EVANS, TITUS C. See DeGOWIN, ELMER L.

 - See HICKEY, ROBERT C.

EXTREMITIES

 - See also Arms; Hands; under names of bones
 - lymphographic changes in lower limbs with varicose veins (ab), Sten Jacobsson and Sven Johansson, Dec., 983
 - blood supply**
 - peripheral arteriography utilizing image amplification and cinemaroentgenography (ab), Robert I. Lowenberg and Robert M. Lowman, Nov., 844
 - safe and practical intravenous method for abdominal angiography, peripheral arteriography, and cerebral angiography (ab), Israel Steinberg et al., Sept., 494

edema

 - studies of ulceration and edema of lower extremity by lymphatic cannulation (ab), T. G. Blocker, Jr., et al., Nov., 845

tumors. See Bones, tumors

EYES

 - See also Lens, Crystalline; Optic Chiasm
 - ocular effects of radiation (ab), David G. Cogan, Sept., 515
 - foreign bodies**
 - detection of foreign bodies in anterior chamber of bulbus oculi, Morris J. Mintz and Max W. Mattes, Oct., 612

tumors

 - studies of radioactive phosphorus uptake in diagnosis of intraocular and cutaneous melanoma (ab), Kelvin Lidgett et al., Oct., 684

EWLER, WILLIAM R. See DU SAULT, LUCILLE A.

F

FACE

 - facial paralysis associated with osteopetrosis (marble bones); report of case of syndrome occurring in 5 generations of same family (ab), Norman T. Welford, Oct., 656

FALLOPIAN TUBES

 - roentgenography. See also Fallopian Tubes, tuberculosis**
 - cervix in hysterosalpingography (ab), H. E. Reiss, Aug., 328
 - problems in hysterosalpingography (ab), Maurice R. Dufrêne et al., Nov., 854
 - tuberculosis**
 - hysterosalpingography in genital tuberculosis (ab), H. Kraubig, Sept., 503

FALLOT'S TETRALOGY. See Heart, abnormalities

FALL-OUT, RADIOACTIVE. See Atomic Bomb and Atomic Energy

FAMILIAL CONDITIONS. See Heredity

**de FARIA, J. LOPEZ, BARBAS, J. VALENTE, FUJIOKA, T.,
LION, MARCOS F., de ANDRADE e SILVA, U., and
DÉCOURT, LUIZ V.: Pulmonary schistosomiasis arterio-
venous fistulas producing a new cyanotic syndrome in
Manson's schistosomiasis (ab), Aug., 312**

FARMERS AND FARMING

 - respiratory disease of mushroom workers: farmer's lung (ab), Louis S. Bringham et al., Oct., 659

FARNESLEY, WESLEY G. See LOVE, JESSHILL

FARR, L. E. See LIPPINCOTT, S. W.

 - See STICKLEY, E. E.

FARRAN, HELEN E. A., MILUTINOVIC, P., and MASON, A.

STUART: The in-vitro uptake of ³²P by red blood-cells in thyroid disease (ab), Aug., 338

FASSBENDER, C. W. See STÖSSEL, H. G.

FASTING

 - oxidation to C¹⁴O₂ and conversion to fatty acids of C¹⁴-glucose in livers of normal, fasted and x-irradiated rats (ab), John G. Coniglio et al., Aug., 341

FAT

 - See also Triolein
 - acute pericardial fat necrosis; case (ab), Martin H. Chester and John B. Tully, Aug., 314

FATIGUE FRACTURE. See Spine, fractures

FAVERO, F. See COLLO, G.

FEDER, BERNARD H. See KURNICK, N. B.

FEDORUK, SYLVIA O. See FEE, DONALD A.

**FEE, DONALD A., and FEDORUK, SYLVIA O.: Clinical value
of liver photoscanning (ab), Nov., 862**

**FEIGELSON, HOWARD H., BERK, J., EDWARD, JOYRICH,
MYRON H., GAGLIARDI, RAYMOND A., and SHUFRO,
ARTHUR S.: Effectiveness of oral cholecystagogues and intravenous cholecystokinin in producing bile
duct visualization during oral cholecystography, Aug., 268**

 - See GAGLIARDI, RAYMOND A.

FELDMAN, JAMES R. See NACHLAS, I. WILLIAM

FELLOWSHIPS. See Education

**FELSON, BENJAMIN, and SCHMIDT, OTTO E. W.: The
significance of grid ratio in clinical radiography, Dec., 925**

**FELTON, LELAND, FRIEDMAN, MEYER, BYERS, SANFORD
O., and CADY, PAXTON: Localization and retention of
triolein I¹³¹ in various tissues of the atherosclerotic rabbit
(ab), Aug., 338**

 - See BYERS, SANFORD O.

FEMUR

- effect of arteriovenous fistulae on vascular pattern of femora of immature dogs: microangiographic study (ab), Patrick J. Kelly et al., July, 150
- radiosodium clearance rates as indicators of femoral-head vascular supply (ab), Patrick G. Laing and Albert B. Ferguson, Jr., Oct., 684
- fractures
 - venography in fractures of femoral neck (ab), Sven Dahlgren, Dec., 989

FERGUSON, ALBERT B., Jr. See **LAING, PATRICK G.**

FERREBEE, JOSEPH W., and THOMAS, E. DONNALL:

Some experiences with irradiation injury, July, 1

FETHERSTON, WILLIAM C. See **SCHMITZ, HERBERT E.**

FETUS

- See also **Craniometry**; **Monsters**
- congenital osteogenesis imperfecta visible on prenatal x-ray: case (ab), W. Jonas, Aug., 325
- radiographic demonstration of uterine developmental abnormality as cause of abnormal lie of fetus (ab), M. G. F. Donnall, July, 162
- reduction of fetal irradiation in pelvimetry, Tom A. Kind, Oct., 608
- sacrococcygeal teratoma of fetus with special emphasis on prenatal diagnosis by radiology (ab), Vishnu Sarma and N. Nemiraja, Sept., 503
- transfer of radioactive iron via the placenta and accessory fetal membranes in the rabbit (ab), J. Davies et al., Aug., 341

FIBRINOGEN

- See also **Blood, fibrinogen**
- localization of radioiodinated rat fibrinogen in transplanted rat tumors (ab), Eugene D. Day et al., Aug., 338

FIBRINOLYSIS

- See **Blood, fibrinogen**

FIBROADENOMA

- See **Tumors, fibroadenoma**

FIBROMA

- See **Tumors, fibroma**

FIBROSIS

- See **Abdomen, fibrosis; Lungs, fibrosis**

FIDDIAN, R. V., and McDougall, COLIN: Choledochus cyst (ab), Sept., 498

FIELDS, MAX. See **PRESSMAN, JOEL J.**

FIELDS, WILLIAM S. See **CRAWFORD, E. STANLEY**

FILLMAN, ELDON M., HANSON, OTTO L., and GILBERT, LAEL O.: Radioisotopic study of effects of irrigating fluid in transurethral prostatectomy (ab), Sept., 512

FIELD BADGES

- See **Roentgen rays, physics**

FILMS

- See **Roentgenograms**

FILTERS

- See **Roentgen Therapy**

FINBY, N. See **ARCHIBALD, R. M.**

—See **STEINBERG, ISRAEL**

FINGERS AND TOES

- Ehlers-Danlos syndrome with acro-osteolysis (ab), T. H. Newton and M. E. Carpenter, Oct., 673

FINKELSTEIN, ARTHUR: See **STEIN, GEORGE N.**

—See **TULSKY, EMANUEL G.**

FIORITO, EDUARDO S., and RECALDE CUESTAS, LUIS A.:

- Diagnosis and treatment of acute intestinal intussusception with controlled insufflation of air (ab), July, 153

FISCHER, MURRY G., and GEFFEN, ABRAHAM: Emphysematous necrotizing pancreatitis (ab), Sept., 499

FISTULA

- some congenital cysts and fistulae of neck (ab), T. Philip, Aug., 308

arteriovenous

- abnormal congenital fistulous communications of coronary arteries (ab), Guido Curran et al., July, 149

- congenital coronary arteriovenous fistula associated with large patent ductus (ab), Lewis H. Bosher, Jr., et al., Aug., 316

- effect of arteriovenous fistulae on vascular pattern of femora of immature dogs: microangiographic study (ab), Patrick J. Kelly et al., July, 150

- hereditary hemorrhagic telangiectasis and pulmonary arteriovenous fistula: survey of a large family (ab), Corrin H. Hodson et al., July, 149

- pulmonary arteriovenous aneurysm with a major systemic component (ab), Al. Annamalai et al., Oct., 664

- pulmonary schistosomal arteriovenous fistulas producing a new cyanotic syndrome in Manson's schistosomiasis (ab), J. Lopes de Faria et al., Aug., 312

- spontaneous rupture of intrarenal arteriovenous fistula; (ab), Kendall E. Sauter and James W. Sargent, Nov., 855

cardiac

- successful repair of sinus of Valsalva-left atrial fistula (ab), Jerome H. Kay et al., July, 150

choledochocolic

- choledochocolic fistula; case (ab), Lawrence G. Hampson and Geoffrey Lehman, Sept., 498

esophageal

- preliminary statistical survey of carcinoma of esophagus in African with special reference to acquired esophageal fistulae (ab), Joseph Katz and George Cohen, July, 151

FITCH, THOMAS S. P. See **SUSSMAN, BERNARD J.**

FLAHERTY, ROBERT J., COOK, FERRIS E., Jr.

- See **GREEN, ALLAN E., Jr.**

- See **PARKER, GERALD W.**

FLIEDNER, T. M., CRONKITE, E. P., and BOND, V. P.: The proliferation dynamics of blood cell formation, auto-radiographically examined with tritium-labeled thymidine (ab), Sept., 513

FLUORIDES

- deposition and retention of fluoride and radiocalcium in growing rat (ab), R. C. Likins et al., Aug., 341

FONSECA, LUIS CARLOS: Gastro-intestinal involvement in Chagas' disease (ab), Dec., 986

FOOD

See also **Nutrition**

- radioactivity in foods (ab), Cyril L. Comar, Aug., 344

FOOT

- preliminary findings from a roentgenographic study of influence of heel height and empirical shank curvature on osteo-articular relationships in normal female foot (ab), R. Plato Schwartz and Arthur L. Heath, July, 161

FOREIGN BODIES. See **Eyes; Stomach**

FORKNER, CLAUDE A. See **HILBISH, THEODORE F.**

FORT, L. See **MARGOLIS, G.**

FOURNIER, ANDRÉ M., and JULLIEN, GEORGES: Radiological aspects of caisson disease (ab), Aug., 326

FOUTS, P. J., HELMER, O. M., and CHERNISH, S. M.: Absorption of radioactive Bi in patients with pernicious anemia after long-term oral and parenteral therapy (ab), Dec., 995

FOX, J. DEWITT. See **PONKA, JOSEPH L.**

FOX, J. G. C. See **LAWIS, J. W.**

FRACTURES

- See also **Astragalus; Scaphoid Bone, Carpal; Spine; etc.**
- dynamics of bone healing and its effect on skeletal system in vivo using strontium 85 and calcium 47 (ab), H. Koenig and John H. Heller, July, 168

fatigue. See **Spine, fractures**

FRAIN-BELL, LOCKHART, GRIEVE, JOHN, and PICKARD, CECIL: Some problems arising during micturating cystourethrography (ab), Oct., 677

FRANCH, ROBERT H. See **GAY, BRIT B., Jr.**

FRANCIS, H. H.: Etiology, development, and effect upon pregnancy of protrusio acetabuli (Otto pelvis) (ab), July, 162

FRANK, PAVAO. See **KÖRBLER, JURAJ**

FRANZEN, IRVIN. See **ALLEN, HARRY**

FRASER, ROBERT G., and BATES, DAVID V.: Body section roentgenography in the evaluation and differentiation of chronic hypertrophic emphysema and asthma (ab), Aug., 312

—and **WORTZMAN, GEORGE:** Acute pneumococcal lobar pneumonia: the significance of non-segmental distribution (ab), Aug., 311

FREDERICK, WILLIAM. See **MCDOWELL, FLETCHER H.**

FREEBERGER, ROBERT H.: Osteoid osteoma of the spine. A cause of backache and scoliosis in children and young adults, Aug., 232

FREINKE, NORBERT. See **DOWLING, J. THOMAS**

FREUND, DONALD R., KEGEL, EUGENE E., and DUGGER, JOHN H.: Primary malignant melanoma of the vagina (ab), July, 165

FREUNDLICH, H. F. See **TUDWAY, R. C.**

FREY, E.: Treatment of hemangiomas in children with strontium 90 (ab), Sept., 512

FREYER, B.: Growth disturbances of the skeleton following radiation-induced infantile myxedema (ab), Aug., 344

FRICK, P. See **SCHEITLIN, W.**

FRIEDMAN, MEYER. See **BYERS, SANFORD O.**

—See **FELTON, LELAND**

FRIEDMAN, ROBERT L.: Holocephalus acephalus: a case report, Nov., 782

FRISCHE, LOUIS H. See **DOTTER, CHARLES T.**

FUJIOKA, T. See **de FARIA, J. LOPES**

FULTON, HAROLD. See **REYNOLDS, LAWRENCE**

FUNCH, ROBERT B.: The Dynapulse method of ultrashort (millisecond) timing and improved rapid impulse timing in medical roentgenography (ab), July, 163

FUNGI

See also **Blastomycosis; Coccidioidomycosis; etc.**

- effect of x-rays, gama rays, thorium-X, and radioactive phosphorus on superficial mycotic agents (ab), Samuel Monash and Frank J. Roth, Jr., Aug., 348

FURSTENBERG, A. C. See **BLATT, IRVING M.**

G

GABRIELE, ORLANDO F.: Mucormycosis (ab), Dec., 993

GAGE, ROBERT P. See **VANCE, JOHN W.**

GAGLIARDI, RAYMOND M., FEIGELSON, HOWARD H., and SHUFRO, ARTHUR S.: Transient paradoxical movement of the diaphragm (ab), July, 157

—See **FEIGELSON, HOWARD H.**

GALLBLADDER

calculi

- opaque gallstones showing pliability during cholecystographic visualization (ab), Seymour F. Ochsner and Eddie A. Orgeron, Nov., 849

- spontaneous disappearance of gallstones (ab), Joseph F. Linsman and Eliot Corday, Aug., 324

- spontaneous disappearance of gallstones (ab), W. van der Linden and A. Hjelmstedt, July, 155

diseases

- acute pneumocholecystitis (ab), Z. V. Skokan, Dec., 987

diverticula

- diverticulum of gallbladder; report of 3 cases and review of literature (ab), Joseph P. Arcomanio and James C. Barnett, Sept., 498

obstruction

- radiological diagnosis of blocked gallbladder (ab), Eric Samuel and A. Berezowski, Aug., 324

GALLBLADDER—cont.

physiology

effectiveness of oral cholecystagogues and intravenous cholecystokinins in producing bile duct visualization during oral cholecystography, Howard H. Feigelson, J. Edward Berk, Myron H. Joyrich, Raymond A. Gagliardi and Arthur S. Shufro, Aug., 268

roentgenography. See also Bile Ducts; Biliary Tract; other subheads under Gallbladder

Bilopin: a new oral contrast medium for cholecystography; report of preliminary trial (ab), C. G. Whiteside, Dec., 987

contrast medium precipitate in human gallbladder (ab), Georg Theander, Aug., 323

death after cholecystography (ab), Basil Rifkind, July, 156

effectiveness of oral cholecystagogues and intravenous cholecystokinins in producing bile duct visualization during oral cholecystography, Howard H. Feigelson, J. Edward Berk, Myron H. Joyrich, Raymond A. Gagliardi and Arthur S. Shufro, Aug., 268

new oral cholecystographic medium (Orabilex) (ab), S. G. Bluestein, Aug., 323

Orabilex and pseudoalbuminuria, Lloyd K. Mark, Morris Moel, Norbert Enzer and Edith Volk, Dec., 954

oral cholecystography: a review of techniques (ab), Jerome H. Shapiro et al., Oct., 672

reinforced Graham-Cole test (ab), James Ryan, Oct., 672

renal insufficiency after oral administration of double dose of cholecystographic medium; 2 cases (ab), Robert M. Rene and Sherman M. Mellinkoff, July, 155

surgery

differential diagnosis of so-called gallbladder regeneration (ab), E. Nägele and W. Huwe, Nov., 849

tumors

fibroadenoma of gallbladder; case with cholecystographic visualization (ab), Seymour F. Ochsner and G. M. Carrera, Oct., 673

GALLSTONES. See Gallbladder, calculi

GAMALERO, P. C., BONO, G., and GRASSI, E.: Bronchographic observations of alterations of the tracheobronchial tree in congenital angiocardioopathies (ab), Sept., 491

GAMMA RAYS. See Radiations, effects; Radioactivity, radio-cobalt

GANDOLFO, E., and MAIRO, F.: Osteonecrosis of the mandible following roentgen therapy of oral neoplasia (ab), Dec., 996

GANGLION

basal

calcification of basal ganglia of brain (ab), A. J. Palubinskas and Hugh Davies, Nov., 840

GARAVAGLIA, G. P. See CHIAPPA, S.

GARCIA, ANTONIO M., AHMAD, KAMALUDDIN, WEGST, AUDREY V., and BEIERWALTES, WILLIAM H.: 131 I rose Bengal test of liver function. A clinical evaluation (ab), Oct., 682

GARCIA, M. See DAZZI, C.

GARCIA, O. See CASTELLANOS, A.

GARRETT, C. See WOLFSON, J. L.

GARUSI, GIANFRANCO. See TORI, GIULIO

GARVIN, JOHN P. See JACOBY, JAY

GAS

relationship between oxygen tension of inhaled gas and severity of acute radiation pneumonitis, William T. Moss and Francis J. Haddy, July, 55

krypton. See Radioactivity, radiokrypton

GASPAR-LANDERO, JORGE. See CHU, FLORENCE C. H.

GASTRECTOMY. See Stomach, surgery

GASTROINTESTINAL TRACT

See also Colon; Intestines; Stomach; etc.

gastrointestinal involvement in Chagas' disease (ab), Luis C. Fonseca, Dec., 986

hemorrhage

experiences with "vigorous diagnostic approach" to upper gastrointestinal hemorrhage (ab), Norman M. Scott, Aug., 319

quantitative determination of gastrointestinal bleeding using Cr^{51} -labeled red blood cells (ab), G. Izak et al., Nov., 861

ward barium meal examination in acute gastrointestinal hemorrhage (ab), Dermot F. Cantwell, Nov., 847

motility

cineroentgenographic studies of gastrointestinal motility in healthy subjects and in patients with gastric or duodenal ulcer, with special reference to various methods of gastrectomy and the dumping syndrome (ab), S. O. Liljedahl et al., July, 152

gastrointestinal function during exposure to x-rays (ab), D. C. Jones and D. J. Kimeldorf, Oct., 687

physiology

quantitative method for measuring gastrointestinal absorption of iron (ab), John D. Bonnet et al., Dec., 996

roentgenography. See also other subheads under Gastrointestinal Tract

gastrointestinal radiology (ab), F. E. Templeton, July, 151

upper gastrointestinal tract alterations in adenomatosis of endocrine glands, Ralph Schlaeger, Marjorie LeMay and Paul Werner, Oct., 517

use of water-soluble urographic contrast media in pediatric gastrointestinal studies (ab), Carroll Z. Berman and Norman L. Avnet, Dec., 986

tumors

lymphoma of G.I. tract (ab), A. J. Richards, Oct., 667

GAVIN, MARY ANN. See WANKO, THEODOR

GAY, BRIT B., JR., and FRANCH, ROBERT H.: Pulsations in the pulmonary arteries as observed with roentgenoscopic image amplification; observations in patients with isolated pulmonary valvular stenosis (ab), Dec., 980

GEARING, FRANK, POWERS, PAXTON, and COOPER, GEORGE, Jr.: Use of Varidase during radiation therapy of head and neck tumors, July, 121

GEFFEN, ABRAHAM. See FISCHER, MURRY G.

GENERAL PRACTICE

diagnostic roentgenology courses for general practitioners (letter to editor): comment on earlier letter by Dr. Felson, Robert S. Sherman, Aug., 297; reply by Dr. Felson, Aug., 298

GENES. See Heredity

GENITALS. See Fallopian Tubes; under names of genitals

GENSINI, GOFFREDO G., and ECKER, ARTHUR: Percutaneous aortocerebral angiography; a diagnostic and physiologic method, Dec., 885

See DOTTER, CHARLES T.

GEORGE, B. P. See SELDON, W. A.

GERDES, JAMES C. See KURNICK, N. B.

GÉRIN-LAJOIE, LEON. See DUFRESNE, MAURICE R.

GERSHON-COHEN, JACOB. See BRINGHURST, LOUIS S.

GERSON, ARNOLD. See MARSHAK, RICHARD H.

GERSTNER, HERBERT B., and GORMAN, HARRY A.: Effect of repeated whole-body x-irradiation on peripheral white blood cell count of rabbits (ab), Aug., 348

GEVANTMAN, L. H., and ARNDT, J. H.: The measurement with chemical dosimetry of absorbed integral dose in large phantoms, Oct., 599

GEYER, ROBERT W. See BARNHARD, HOWARD J.

GHIGO, M., and MAGRINI, M.: Roentgen findings in calcified dracunculus (ab), Dec., 993

GILBERT, LAEL O. See FILLMAN, ELDON M.

GILDENHORN, HYMAN L., REHMAN, I., PAPE, L., and BAKER, S.: Standardization of physical factors in radiographic exposures, Aug., 262

GILMORE, JOHN H. See SOTER, CONSTANTINE S.

GILROY, JAMES A., and ADAMS, ANDREW B.: Annular pancreas, Oct., 568

GIRDANY, BERTRAM R., BASS, LEE W., and SIEBER, WILLIAM K.: Roentgenologic aspects of hydrostatic reduction of ileocolic intussusception (ab), Sept., 497

See BASS, LEE W.

GLASSER, OTTO, honored, Sept., 476

GLAUBERMAN, H. See HARRIS, W. B.

GLICK, ARTHUR H. See SHIF, ARTHUR G.

GLICKSMAN, ARVIN S., CHU, FLORENCE C. H., BANE, HARRY N., and NICKSON, JAMES J.: Quantitative and qualitative evaluation of skin erythema. II. Clinical study in patients on a standardized irradiation schedule, Sept., 411

See CHU, FLORENCE C. H.

GLIOMA. See Tumors, glioma

GLUCKSMANN, A. See CHERRY, C. P.

GLUCOSE

oxidation to C^{14}O_2 and conversion to fatty acids of C^{14} -glucose in livers of normal, fasted and x-irradiated rats (ab), John G. Coniglio et al., Aug., 341

GOITER

See also Thyroid

defect of iodinating system in congenital goitrous cretinism; case with biochemical studies (ab), Heskel M. Haddad and J. B. Sidbury, Jr., Sept., 512

elevated thyroidal ^{131}I uptake in absence of goiter in isolated Venezuelan Indians (ab), Marcel Roche, Sept., 512

GOLDBERG, BENJAMIN. See JONES, HOWARD W., Jr.

GOLDBERG, HARRY. See URICCHIO, JOSEPH F.

GOLDEN, ROSS: Technical factors in the roentgen examination of the small intestine (ab), Oct., 668

GOLDENSON, ALVIN B. See SHIP, ARTHUR G.

GOLDIN, RALPH R. See SALVIONI, DANIELE

GOLDING, J. S. R., MacIVER, J. E., and WENT, L. N.: The bone changes in sickle cell anemia and its genetic variants (ab), Sept., 500

GOLDSMITH, RICHARD. See KING, LIONEL R.

GOLINKO, RICHARD J. See HOPE, JOHN W.

GOMEZ, ALPHONSE C. See ROTHBERG, HARVEY

GONADS

See also Ovary

gonadal exposure dose to adults in diagnostic radiography (ab), J. L. Wolfson and C. Garrett, Oct., 686

preliminary assessment of gonad dose received by patients undergoing radiographic examination (ab), C. Biagini et al., Dec., 997

reduced gonadal irradiation in prenatal chest roentgenographic examinations (ab), Lewis E. Etter et al., Dec., 997

GONDOS, BELA, HUNTER, CHARLES H., and BRAUNWALD, NINA: Dissecting aneurysm of the aorta. Report of two cases diagnosed by angiography (ab), July, 147

GONZALEZ, E. See CASTELLANOS, A.

GOOD, C. ALLEN. See CONNOLLY, DANIEL C.

See HODGSON, CORIN H.

See VANCE, JOHN W.

GOODALL, MCC., and LONG, MERRITT: Effect of whole-body x-irradiation on the adrenal medulla and the hormones adrenaline and noradrenaline (ab), Oct., 689

GOODMAN, MORTON J. See KAMMER, HULDICK

- GOODSITT, EDWARD.** See **STORER, JOHN**
- GOODWIN, PAUL N.**: Calorimetric measurements of bone/tissue absorption ratios, July, 112
- GOOLDEN, A. W. G.**: Effect of thyrotropic hormone on the accumulation of radioactive iodine in thyrotoxicosis (ab), Aug., 336
- Use of radioactive iodine in the diagnosis of thyroid disorders (ab), July, 166
- GORMAN, HARRY A.** See **GERSTNER, HERBERT B.**
- GOSPODINOW, GOSPODIN I.**, and **TOPALOW, JOVTSCHO B.**: Phlebography of the renal vein by way of the left spermatic vein (ab), Sept., 505
- GOTTLOB, R.** See **ZINNER, G.**
- GOULD, DAVID M.**, and **DALRYMPLE, GLENN V.**: A radiological analysis of disseminated lung disease (ab), Sept., 487
- GOUSIOS, ARISTIDES G.**, and **ADELSON, LESTER**: Electrocardiographic and radiographic findings in acute arsenic poisoning (ab), Aug., 330
- GOUT**:—radiological lesions in gout (ab), S. de Sze et al, Nov., 852—unusual manifestations of gout (ab), R. C. Rosenquist et al, July, 157
- GRAF, CARL J.**: Glossopharyngeal neuralgia and ossification of the stylohyoid ligament (ab), Aug., 308
- GRAFTS**. See **Bones, marrow; Skin**
- GRAHAM-COLE TEST**. See **Gallbladder, roentgenography**
- GRAINGER, R. G.** See **PATTINSON, J. N.**
- GRANULOMA**:—radioactive phosphorus (P^{32}) studies in transplanted carcinoma, II. Total P^{32} turnover in transplanted mammary carcinoma, inflammatory granuloma, and normal stomach tissue of ZBC mice (ab), Donald B. Shahon, Aug., 339
- GRANULOMATOSIS**:—fatal granulomatosis of respiratory tract (lethal midline granuloma—Wegener's granulomatosis) (ab), Irving M. Blatt et al, Oct., 656
- noninfectious necrotizing granulomatosis: pulmonary roentgen signs, Martin E. Bischoff, Nov., 752
- GRAPHITE, WEDGE FILTERS**. See **Roentgen Therapy**
- GRASSI, E.** See **GAMALERO, P. C.**
- GRAUER, FRANKLIN H.** See **ARNOLD, HARRY L., Jr.**
- GRAUL, E. H.** See **HUNDESHAGEN, H.**
- GREAT BRITAIN**:—radiotherapy in Great Britain (ed), Christian V. Cimmino, July, 124
- GREEN, ALLAN E., Jr.**, **BROGDON, BYRON G.**, **CROW, NEIL E.**, and **SWEARINGEN, ALFRED G.**: Leiomyoma of the esophagus (ab), Nov., 846
- and **FLAHERTY, ROBERT A.**: Histiocytosis X. Report of a case of Hand-Schüller-Christian disease, Oct., 572
- GREEN, E. J.**, and **WILSON, W.**: Tracheopathia chondroosteoplastica. Report of a case (ab), Oct., 661
- GREEN, G. J.**: Calcification in carcinoma of the colon (ab), Aug., 321
- GREEN, ROBERT A.**, and **NICHOLS, NORMAN J.**: Pulmonary involvement in leukemia (ab), Oct., 660
- GREENBERG, BENJAMIN E.**, and **KNOX, FREDERICK H.**: Faulty contrast medium injection in percutaneous ventricular puncture, July, 85
- GREENFIELD, ROBERT E.**, **STERLING, WILLIAM R.**, and **PRICE, VINCENT E.**: Studies on the anemia of tumor-bearing animals. IV. Distribution of radioiodin after the extravascular injection of labeled erythrocytes (ab), Nov., 863
- GREENSPAN, RICHARD H.** See **BERNSTEIN, EUGENE F.**
- GREER, ALLEN E.**, **CAREY, JOHN M.**, and **ZUHDI, NAZIH**: Expedited evaluation of circumscribed pulmonary shadings (ab), Oct., 659
- GRENZ RAYS**. See **Roentgen Rays, effects; Skin, diseases**
- GRID RATIO**. See **Roentgen Rays, diagnosis**
- GRIDS**. See **Roentgen Rays, apparatus**
- GRIEVE, JOHN**. See **FRAIN-BELL, LOCKHART**
- GRiffin, A. T.** See **MARGOLIS, G.**
- GROSS, SIDNEY W.** See **RAVENTOS, A.**
- GROWTH**:—See also **Bones, growth; Height**
—deposition and retention of fluoride and radiocalcium in growing rat (ab), R. C. Likins et al, Aug., 341
—growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
- GRUBBE, EMILE HERMAN** (obit), Sept., 473
- GUDBERG, C. E.**, and **PETERSEN, OLAF**: Coarctation of the aorta. Relation between roentgenologic and hemodynamic findings, Sept., 399
- GUIDOTTI, G.** See **ALLEGRENZA, A.**
- GUMP, HAZEL**. See **ANDREWS, J. ROBERT**
- GUNNARSON, ERIC**: Oral cholangraphy (ab), Aug., 323
- GUNTER, SHIRLEY E.** See **KOHN, HENRY I.**
- GURDJIAN, E. S.** See **WEBSTER, J. E.**
- GUREWICH, VICTOR**, and **THOMAS, MARTIN A.**: Idiopathic pulmonary hemorrhage in pregnancy: report of a case suggesting early pulmonary hemosiderosis with clinical recovery after steroid therapy (ab), Oct., 659
- GUSTAFSON, P. F.**: Assessment of the radiation dose due to fall-out, Aug., 282
- GUYTON, H. GERALD**, **DECKER, HERBERT M.**, and **ANTON, GEORGE T.**: Emergency respiratory protection against radiological and biological aerosols (ab), Sept., 516
- GUZMAN, SANTIAGO V.**, and **WEST, JAMES W.**: Cardiac effects of intracoronary arterial injections of various roentgenographic contrast media (ab), Aug., 316

II

- HÄBER, J.**, **BENKÖ, G.**, and **BARNA, K.**: Changes in the bronchi in pneumonia (ab), Sept., 491
- HACKETT, P. L.** See **SULLIVAN, M. F.**
- HADDAD, HESKEL M.**, and **SIDSBURY, J. B., Jr.**: Defect of the iodinating system in congenital goitrous cretinism: report of a case with biochemical studies (ab), Sept., 512
- HADDY, FRANCIS J.** See **MOSS, WILLIAM T.**
- HÄUSSLER, G.** See **STÖSSEL, H. G.**
- HAGARTY, GEOFFREY**: Phrenic ampulla (ab), Aug., 318
- HAGEDORN, ALBERT B.** See **BONNET, JOHN D.**
- HAIR BALL (TRICHOBEZOAR)**. See **Stomach, foreign bodies**
- HAJOS, E.**: On the application of tomography to urologic roentgenology (ab), July, 162
- HAKKILA, RIUTTA**. See **LAMBERG, B.-A.**
- HALE, JOHN**. See **RAVENTOS, A.**
- HALF-VALUE LAYER**. See **Radioactivity, radiocobalt**
- HALL, EMMETT R., Jr.**, and **BLADES, BRIAN**: Primary lymphosarcoma of the lung (ab), Oct., 659
- HALLENBECk, GEORGE A.** See **MALKASIAN, GEORGE D.**, Jr.
- HAMILTON, HENRY E.** See **DeGOWIN, ELMER L.**
- HAMPSON, LAWRENCE G.**, and **LEHMAN, GEOFFREY**: Choledochocolic fistula; case report (ab), Sept., 498
- HAND**:—See also **Fingers and Toes; Metacarpus**
—seasonal distribution of initial appearance of postnatal ossification centers in hand and wrist of undernourished children (ab), Samuel Dreizen et al, Nov., 852
- HAND, KATHRYN**. See **PRESSMAN, JOEL J.**
- HAND-SCHÜLLER-CHRISTIAN SYNDROME**. See **Schüller-Christian Syndrome**
- HANLEY, HOWARD G.**: The pelvi-ureteric junction: a cistopelvography study (ab), Oct., 675
- HANNA CALVIN**. See **SMITH, DURWOOD J.**
- HANSON OTTO L.** See **FILLMAN, ELDON M.**
- HARDY, W. G.** See **WEBSTER, J. E.**
- HARPER, PAUL V., Jr.** See **MULLAN, SEAN**
- HARRIS, HOMER H.** See **WOOLLEY, IVAN M.**
- HARRIS, W. B.**, **BRESLIN, J. C.**, **GLAUBERMAN, H.**, and **WEINSTEIN, M. S.**: Environmental hazards associated with the milling of uranium ore. A summary report (ab), Sept., 516
- HARRISON, HAROLD E.** See **SMITH, DAVID W.**
- HARRISON, J. H.** See **PALUBINSKAS, A. J.**
- HARTLEB, O.** See **HERBST, M.**
- HARTLEY, J. BLAIR**: Blind spots—first rib stresses—and the B.I.R. Presidential address delivered at the British Institute of Radiology on May 7, 1959 (ab), July, 160
- HARTY, MICHAEL**. See **BERNDT, ALBERT L.**
- HAVESON, SAMUEL B.**: Intracranial posterior-fossa tumors, July, 59
- See **SCHMITZ, ALFRED L.**
- HAYBITTE, J. L.**: A 10 curie strontium 90 beta-ray therapy unit (ab), Nov., 861
- The estimation of the proportion of patients cured after treatment for cancer of the breast (ab), Sept., 507
- HAYES, GEORGE J.** See **BRENDLER, SAMUEL J.**
- HEAD**:—See also **Cranium and Cancer**
—use of Varidase during radiation therapy of head and neck tumors, Frank Gearing, Paxton Powers and George Cooper, Jr., July, 121
- Wounds and Injuries**:—angiography in head trauma (ab), J. Pecker et al, Sept., 486
- HEART**:—See also **Cardiovascular System; Pericardium**
—cardiac effects of intracoronary arterial injections of various roentgenographic contrast media (ab), Santiago V. Guzman and James W. West, Aug., 316
- myocardial extraction of Rb^{86} in the rabbit (ab), Robert E. Mack et al, Sept., 514
- abnormalities**. See also **Ductus Arteriosus**
—cyanotic tetralogy of Fallot (ab), Theodore E. Keats and Jack M. Marti, July, 146
- association of cardiac pulmonary hemosiderosis and fibrosis (ab), Philip Ellman and R. A. M. Oliver, Sept., 490
- atrial septal defect: experiences in the clinical evaluation of 15 consecutive cases of secundum variety (ab), Bernard Zylberberg et al, Sept., 492
- congenital absence of right pulmonary artery with patent ductus arteriosus and auricular septal defect: angiographic diagnosis (ab), Giulio Tori and Gianfranco Carusi, July, 148
- identification and quantification of left-to-right circulatory shunts: a new diagnostic method utilizing the inhalation of a radioactive gas, Kr^{85} (ab), Richard J. Sanders and Andrew G. Morrow, July, 150
- left ventricular angiography in diagnosis of persistent atrioventricular canal and related anomalies (ab), Eugene Braunwald et al, Oct., 661

ANTON,
against
16
Cardiac
various
3

s in the

Defect of
et al., Sept., 512

318

bodies

roentgen-

Primary
RGED.,

FREY:
498

ostnatal
published

schüller-
a cine-

H., and
associated
rt (ab).

and the
Insti-

tumors,

therapy

or treat-

and neck

George

pt., 480

various
T. Gu-

bert E.

ats and

fibrosis
40

ation of
Bernard

patent
angio-

franco-

ulatory

ers and

rsistant

Eugen-

HEART, abnormalities—cont.

- levoangiocardiology in tetralogy of Fallot: its practical importance, A. Castellanos, O. Garcia, E. Gonzalez, R. Pereiras and H. Mercado, Nov., 774
- radiologic features of isolated ventricular septal defects (ab), Edward B. Singleton et al., Sept., 492
- syndrome featuring defects of heart, sternum, diaphragm, and anterior abdominal wall (ab), I. Hunter Crittenden et al., July, 147
- ventricular septal defect and severe pulmonary hypertension: radiologic considerations in selection of patients for surgery, Charles W. Vickers, Owings W. Kincaid, James W. DuShane and John W. Kirklin, July, 69
- ventricular septal defect; review (ab), Alan S. Deutsch, Dec., 978
- absence of
 - holocephalus; case, Robert L. Friedman, Nov., 782
- arrest
 - coronary arteriography during induced cardiac arrest and aortic occlusion (ab), Charles T. Dotter et al., Sept., 494
- blood supply. See Thrombosis, cardiac catheterization
- isolated congenital pulmonic valvular regurgitation: diagnosis by cardiac catheterization and angiography (ab), N. Perryman Collins et al., Dec., 980
- percutaneous retrograde catheterization of left ventricle and systemic arteries of man, Charles T. Dotter and Goffredo G. Gensini, Aug., 171
- diseases. See also Heart, abnormalities
 - clinical and angiographic confirmation of Bernheim syndrome (ab), M. Herbst et al., Oct., 661
- electrocardiography
 - device for timing cineangiograms using electrocardiogram (ab), Graeme Sloman and J. G. Davies, Aug., 318
 - electrocardiographic and radiographic findings in acute arsenic poisoning (ab), Aristides G. Gousios and Lester Adelson, Aug., 330
- failure. See Heart, insufficiency
- fistula. See Fistula, cardiac
- insufficiency
 - roentgenographic determination of total lung capacity: new method evaluated in health, emphysema and congestive heart failure (ab), Howard J. Barnhard et al., Dec., 974
- physiology
 - critical evaluation of external body surface counting in determination of cardiac output with radioactive isotopes (ab), Barbara L. Carter et al., Aug., 336
 - diagnosis of heart and lung function with aid of albumin labeled with I^{131} (ab), H. Hundeshagen et al., Dec., 995
 - measurement of cardiac output using a radioisotope and a scintillation counter (ab), W. A. Seldon et al., Aug., 336
 - puncture
 - faulty contrast injection in percutaneous ventricular puncture, Benjamin E. Greenberg and Frederick H. Knox, July, 85
 - rate
 - cardiac aneurysm with ventricular tachycardia and subsequent excision of aneurysm; case (ab), O. A. Couch, Jr., Aug., 315
 - roentgenography. See also other subheads under Heart
 - diagnostic value of conventional radiological examination of heart in adults (ab), Per Amundsen, Aug., 313
 - size
 - account of statistical analysis of relative heart volumes of 755 patients in various disease groups (ab), R. G. Carpenter, Aug., 313
 - surgery. See Heart, abnormalities
 - tamponade
 - chronic idiopathic pericardial effusion without tamponade (ab), Daniel C. Connolly et al., Oct., 662
 - radiation fibrosis of pericardium, with cardiac tamponade: case report with postmortem studies and review of literature (ab), David W. Hurst, Aug., 343
 - tumors
 - primary malignant tumors of heart; case report and review (ab), R. Bergonzini and M. Calzavara, Dec., 979
 - valves. See Pulmonary Valve; Mitral Valve
 - HEASLEY, KENNETH H. See WEBER, JOHN M.
 - HEAT
 - calorimetric measurements of bone/tissue absorption ratios, Paul N. Goodwin, July, 112
 - combined effects of ionizing radiation and high temperature on longevity of Sprague-Dawley rat (ab), L. D. Carlson and B. H. Jackson, Aug., 346
 - HEATH, ARTHUR L. See SCHWARTZ, R. PLATO
 - HEATON, J. RICHARD. See WAGGENER, HUBERT U.
 - HECKEL, PHILIP. See MURRAY, ROBERT
 - HEEL. See Shoes
 - HEIGHT
 - evaluation of abnormal stature in adolescent and young adult (ab), Thomas W. Burns, Oct., 674
 - growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
 - HEINOLD, SV., MALVER, E., ROELSGAARD, G., and WORNING, B.: A psychosomatic approach to recurrent abdomi-

nal pain in childhood, with particular reference to the x-ray appearances of the stomach (ab), Dec., 984

HELANDER, C. G., and LINDBOM, A.: Venography of the inferior vena cava (ab), Aug., 316

HELLER, J. See KESSLER, L.

HELLER, JOHN H. See KOENIG, H.

HELMER, O. M. See FOOTS, P. J.

HEMANGIOMA. See Tumors, angioma

HEMANGIOPERICYTOMA. See Tumors, hemangiopericytoma

HEMATOLOGY. See Hemopoietic System

HEMATOMA, EPIDURAL. See Meninges, hemorrhage

HEMENWAY, WILLIAM G., and LINDSAY, JOHN R.: Malignancy of the paranasal sinuses (ab), Sept., 506

HEMOCHROMATOSIS

—association of cardiac pulmonary hemosiderosis and fibrosis (ab), Philip Ellman and R. A. M. Oliver, Sept., 490

—idiopathic pulmonary hemorrhage in pregnancy; case suggesting early pulmonary hemosiderosis with clinical recovery after steroid therapy (ab), Victor Gurewich and Martin A. Thomas, Oct., 659

—idiopathic pulmonary hemosiderosis in adults; report of case and review of literature (ab), S. Martin Bronson, Dec., 976

HEMOPHILIA

—hemophilia and Christmas disease (ab), J. H. Middlemiss, Nov., 850

—hemophilic pseudotumor of ilium, Enrique Schwarz, Nov., 795

—intraneuronal hemorrhages in hemophilia (ab), H. Stein and E. Doll, Oct., 673

HEMOPOIETIC SYSTEM

See also Bones, marrow; Leukemia; Spleen

—lymphadenopathy: its uses in hematology (ab), B. Malamos et al., Oct., 666

—residual injury induced in erythropoietic system of rat by periodic exposures to x-radiation (ab), S. J. Baum and E. L. Alpen, Oct., 688

—some factors involved in effect of x-irradiation on phosphatase activity of hematopoietic tissues (ab), Edwin M. Uyeki and Paul R. Salerno, Aug., 344

—some observations on treatment of post-irradiation hematopoietic depression in man by infusion of stored autogenous bone marrow (ab), N. B. Kurnick et al., Oct., 686

—study on effect of radiation on hemopoietic system in patients suffering from malignant diseases (ab), Byomkes Basu et al., Nov., 864

HEMORRHAGE. See Gastrointestinal Tract, hemorrhage; Hemophilia; Lungs, hemorrhage; Telangiectasis

HEMOSIDEROSIS. See Hemochromatosis

HEMPLELMAN, LOUIS H. See MURRAY, ROBERT

HENDENSKOG, INGE. See DENNEBERG, TORSTEN

HENDRICKSON, FRANK R.: The place of radioisotopes in the community hospital (ab), Oct., 685

HEPARIN

—some factors altering severity of acute radiation pneumonitis: variation with cortisone, heparin, and antibiotics, William T. Moss, Francis J. Haddy and Sanford K. Sweany, July, 50

HEPA TOLEN TICULAR DEGENERATION. See Lenticular Nucleus

HEPATOSCINTOGRAPHY. See Liver, function tests

HERBST, M., HARTLEB, O., and BÖCK, K.: Clinical and angiographic confirmation of the Bernheim syndrome (ab), Oct., 661

HERDT, JEAN R. L. See HILBISH, THEODORE F.

HEREDITY

—bone changes in sickle-cell anemia and its genetic variants (ab), J. S. R. Golding et al., Sept., 500

—facial paralysis associated with osteopetrosis (marble bones); report of case of syndrome occurring in 5 generations of same family (ab), Norman T. Welford, Oct., 656

—hereditary enchondral dysostosis; 12 cases in 3 generations mainly with peripheral location (ab), Per Ödman, July, 157

—hereditary hemorrhagic telangiectasia and pulmonary arteriovenous fistula: survey of a large family (ab), Corrin H. Hodgson et al., July, 149

—maximum permissible doses from point of view of radiation genetics (ab), H. Marquardt, Dec., 997

—minimizing the genetic hazard of medical radiation (ab), George Cooper, Jr., Oct., 686

—osteochondrodystrophy (Morquio's disease) in three generations (ab), J. P. Lomas and A. C. Boyle, Aug., 325

HERNBERG, C. A. See LAMBERG, B.-A.

HERNIA

—diaphragmatic

—diaphragmatic hernia in infancy (ab), J. O. Reed and E. F. Lang, July, 156

—hiatal hernia: roentgen incidence and diagnosis (ab), George N. Stein and Arthur Finkelstein, Dec., 988

inguinal

—incarceration of stomach in an inguinal hernia; case (ab), Arthur G. Ship et al., Nov., 847

HESS, PAUL: Therapy and prognosis of melanoblastoma (ab), Sept., 509

HEWITT, CLARENCE B. See PATTON, JOHN F.

HICKEY, ROBERT C., JOHNSON, CHARLES A., EVANS, TITUS C., and ALFTINE, DAVID: Cancer palliation.

Extracorporeal pump perfusion of radioactive isotopes and nitrogen mustard as adjuncts to external radiation therapy (ab), July, 167

- HICKIE, J. B. See SELDON, W. A.
- HIGHT, DONALD, LINGLEY, JAMES R., and HURTUBISE, FRANK: An evaluation of operative cholangiograms as a guide to common duct exploration (ab). Oct., 672
- HILBISH, THEODORE F., BESSE, BYRON E., JR., LUSTED, LEE E., DAVES, MARVIN L., THOMAS, LOUIS B., and FORKNER, CLAUDE A.: Acute leukemia. Skeletal manifestations in children and adults (ab). Sept., 500
- and HERDT, JEAN R. L.: Complications of selective angiography. Aug., 197
- HILLGER, H. See DILLER, W. F.
- HIMMELSTEIN, AARON. See ELLIS, KENT HIP
- See also Femur
- transitory demineralization of hip in pregnancy: 3 cases (ab). Paul H. Curtiss, Jr., and William E. Kincaid, Aug., 327
- arthritis
- acute suppurative arthritis of hip in neonatal period (ab). Benjamin E. Oblett, Nov., 852
- arthritis of hip complicating osteitis pubis (ab). Helen Sender, Oct., 674
- diseases
- transient synovitis of hip joint in children (ab). Alexander Spock, Nov., 853
- dislocations
- congenital dysplasia of hip, with special reference to congenital subluxation or "pre-luxation" (ab). Rudolf Leffmann, Sept., 502
- surgery
- x-ray control for operations on hip (ab). I. William Nachlas and James R. Feldman, Aug., 327
- HIPP, E. See WIEDENMANN, O.
- HISTIOCYTOSIS X. See Schüller-Christian Syndrome
- HISTOPLASMOSIS
- epidemic pulmonary histoplasmosis: roentgenographic findings (ab). Donald P. Babbitt and Burton A. Waisbren, Dec., 975
- radiologic contributions to diagnosis of histoplasmosis (ab). Enrique Schwarz, Oct., 659
- HJELMSTEDT, A. See van der LINDEN, W.
- HJORT, G. H.: Effect of roentgen irradiation of lymphocytes in vivo (ab). Aug., 347
- HODGE, JOSEPH, APONTE, GONZALES, and McLAUGHLIN, EDWARD: Primary mediastinal tumors (ab). July, 145
- HODGES, FRED J. See LATOURETTE, HOWARD B.
- See MARTEL, WILLIAM
- HODGES, ROBERT E. See DeGOWIN, ELMER L.
- HODGKIN'S DISEASE
- combined radiation and nitrogen mustard therapy in Hodgkin's disease as compared with radiation therapy alone (ab). James C. Cook et al., Sept., 511
- Hodgkin's disease in children: clinicopathological study of 46 cases (ab). James A. Pitcock et al., Aug., 333
- HODGSON, CORRIN H., BURCHELL, HOWARD B., GOOD, C., ALLEN, and CLAGETT, O. THERON: Hereditary hemorrhagic telangiectasia and pulmonary arteriovenous fistula. Survey of a large family (ab). July, 149
- See VANCE, JOHN W.
- HODGSON, JOHN R.: Radiography in the diagnosis of hepatic disease (ab). Oct., 672
- HOFFMAN, HOWARD A., and de CARVALHO, MIGUEL PAES: Retrograde pyelography and use of contrast mediums containing neomycin (ab). Dec., 990
- HOFFMAN, J. M., and de KLKER, H. van Z.: A case of multiple myeloma presenting clinically as a solitary tumour of the skull (ab). Oct., 656
- HOFFMAN, MILTON J. See KING, EDWARD L.
- HOFFMAN, MURRAY S. See ZYLBERBERG, BERNARD
- HOGANCAMP, CHARLES E. See MACK, ROBERT E.
- HOLCZINGER, L. See ROKA, J.
- HOLMAN, COLIN B.: Roentgenologic manifestations of glioma of the optic nerve and chiasm (ab). Sept., 487
- HOLMAN, W. P., and MARTIN, J. H.: Megavoltage radiotherapy (ab). Sept., 511
- HOLMES, GEORGE W. See MESZAROS, WILLIAM T.
- HOLOACARDIUS. See Monsters
- HOPE, JOHN W., and GOLINKO, RICHARD J.: An extra-adrenal pheochromocytoma in a child. Nov., 791
- HORLER, A. R., and THOMPSON, MALCOLM: The pleural and pulmonary complications of rheumatoid arthritis (ab). Oct., 660
- HORMONES
- See also Adrenal Preparations; Cholecytokinin; Endocrine Glands; Thyroid, hormones; etc.
- thyrotropic. See Pituitary Preparations
- HORTON, CARRELL P. See TARLETON, GADSON J., JR.
- HOSKINSON, WILLIAM S. See DOTTER, CHARLES T.
- HOSOE, KENZO. See MITSUYA, HIDEO
- HOSPITALS
- place of radioisotopes in community hospital (ab). Frank R. Hendrickson, Oct., 685
- HUANG, CHIN-TANG. See YANG, SZE-PIAO
- HUDSON, GRANVILLE W. See CONIGLIO, JOHN G.
- HULSHOFF, TH., and KALVELAGE, H.: Contribution to the diagnosis and frequency of congenital lung aplasia (ab). Oct., 657
- HUGHES, FELIX A. See PATE, JAMES W.
- HUGH-JONES, P. See DYSON, N. A.
- HULSE, E. V.: Depletion of the myelopoietic cells of the irradiated rat (ab). Aug., 347
- HULTBERG, S., DAHL, O., THORAEUS, R., VIKTERLÖF, K. J., and WALSTAM, R.: Kilocurie cobalt 60 therapy at the Radiumhemmet: equipment, technique and dose measurements (ab). Aug., 340
- HUNDESHAGEN, H., GRAUL, E. H., BETZ, E., KAUFMANN, W., SCHLITTER, J., and SCHOLTZE, H. G.: Diagnosis of heart and lung function with the aid of albumin labeled with ^{131}I (ab). Dec., 995
- HUNTER, CHARLES H. See GONDOS, BELA
- HURST, DAVID W.: Radiation fibrosis of pericardium, with cardiac tamponade. Case report with post-mortem studies and review of literature (ab). Aug., 343
- HURTUBISE, FRANK. See HIGHT, DONALD
- HUWE, W. See NÄGELE, E.
- HYATT, IRVIN, and KRAVITZ, SHELDON C.: A benign tumor of the esophagus in an elderly female; case report (ab). Oct., 666
- HYDANTOINS
- pulmonary changes in hydantoin therapy (ab). Matthew T. Moore, Sept., 490
- HYPAQUE. See Brain, blood supply; Iodine and Iodine Compounds; Kidneys, physiology
- HYPAQUE-M. See Cardiovascular System, roentgenography
- HYPERCALCEMIA. See Blood, calcium
- HYPERKERATOSIS. See Larynx
- HYPEROSTOSIS
- traumatic multiple hyperostosis of bone (ab). C. C. De Silva and Susanna Jayaratne, Sept., 500
- HYPERPARATHYROIDISM. See Parathyroid, hyperparathyroidism
- HYPERTENSION. See Blood Pressure, high; Lungs, blood supply
- HYPERTHYROIDISM. See Thyroid, hyperthyroidism
- HYPOTHYROIDISM. See Cretinism; Myxedema
- HYPOPHSECTOMY. See Pituitary Body
- HYSTEROSALPINGOGRAPHY. See Cesarean Section; Fallopian Tubes
- I
- IMAMARINO, R. M., and BENENBOM, M.: Effect of post-irradiation bone marrow treatment on rat spleen nuclei acids (ab). Oct., 690
- IBACH, HAROLD F., and LARSEN, LAWRENCE L.: Roentgen manifestations of multiple cysts of the renal medulla. Sept., 363
- ILEOCECAL VALVE
- role of ileocecal valve in large bowel obstruction; preliminary report. Leon Love, Sept., 391
- ILEUM. See Intestines; Intussusception
- ILIUM
- hemophilic pseudotumor of ilium. Enrique Schwarz, Nov., 795
- IMAGE INTENSIFIERS. See Roentgen Rays, fluoroscopy
- IMMUNITY
- marrow transplantation after radiation: an experimental approach to the immunological complications (ab). K. A. Porter, Nov., 865
- INDUSTRIAL AND OCCUPATIONS
- industrial code as a tool in radiation protection (ab). Morris Kleinfeld and Melvin M. Udel, Sept., 516
- low-back pain: prevention through medical examination and selective job placement (ab). Rex L. Dively, Sept., 501
- diseases and poisoning. See also Caisson Disease
- environmental hazards associated with milling of uranium ore: summary report (ab). W. B. Harris et al., Sept., 516
- respiratory disease of mushroom workers: farmer's lung (ab). Louis S. Bringhurst et al., Oct., 659
- splanchnic siderosis: rare case (ab). G. Carta and F. Pirastu, Dec., 993
- INFANTILISM
- growth disturbances of skeleton following radiation induced infantile myxedema (ab). B. Freyer, Aug., 344
- INFANTS. See Children; Infants, Newborn
- INFANTS, NEWBORN
- acute suppurative arthritis of hip in neonatal period (ab). Benjamin E. Oblett, Nov., 852
- deficiency of small intestinal gas in infants simulating obstruction (ab). Herbert H. Benson and George Jacobson, Sept., 496
- growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status. Gadson J. Tarleton, Jr., E. Perry Crump and Carrell P. Horton, Dec., 932
- located pneumomediastinum in newborn: a thymic "spinnaker sail" sign. John E. Moseley, Nov., 788
- similarities of mechanical intestinal obstruction and aganglionic megacolon in newborn infant: review of 64 cases (ab). Orvar Swenson and Franklin Z. Davidson, Nov., 848
- teratoma of neck causing neonatal death: case. Ivan M. Woollley and Homer H. Harris, Sept., 456
- INFARCTION. See Colon, infarction; Lungs, infarction
- INFECTIONS. See Bacteria; Viruses; etc.
- INGBAR, SIDNEY H. See DOWLING, J. THOMAS
- INJECTIONS. See Cardiovascular System, roentgenography
- INSULIN
- recent studies on carbohydrate metabolism (ab). E. B. Chain, Aug., 341

INSURANCE

- medicine's role in prepaid medical care plans, Leonard W. Larson, Sept., 460
- INTERAMERICAN CONGRESS OF RADIOLOGY (SEVENTH)**, Nov., 825
- INTERNATIONAL CONGRESS FOR RADIATION RESEARCH (SECOND)**, Dec., 964
- INTERNATIONAL CONGRESS OF NEURORADIOLOGY**, Sept., 475

INTESTINES

- See also Colon; Gastrointestinal Tract; Sigmoid
- effects of dose-rate and protracted: a symposium, II. Adaptation to continuous irradiation: observations on rat intestine (ab), H. Quastler et al., July, 170
- x-irradiation of exteriorized or in situ intestine of rat (ab), M. F. Sullivan et al., Oct., 688
- cysts**
- pn umatosis cystoides intestinalis (ab), Elaine Epstein, Aug., 321
- diseases**
- Whipple's disease: roentgenologic findings, including those of an 8-year remission, Stefan C. Schatzki, Dec., 908
- diverticula**
- coexisting carcinoma and diverticula of colon: review of 355 cases of carcinoma of colon (ab), Joseph L. Ponka et al., July, 154
- jejunal diverticula (ab), Enrique de Arzua Zulaiac, Sept., 497
- radiological detection of Meckel's diverticulum (ab), Benjamin Edye et al., Sept., 497
- gas in**
- deficiency of small intestinal gas in infants simulating obstruction (ab), Herbert H. Benson and George Jacobson, Sept., 496

mucosa

- weight, nitrogen and DNA content of small intestine mucosa of rats exposed to x rays (ab), Robert E. Kay and Cecile Entenman, Aug., 347
- obstruction.** See also Colon, obstruction; Intussusception
- deficiency of small intestinal gas in infants simulating obstruction (ab), Herbert H. Benson and George Jacobson, Sept., 496
- roentgenologic evaluation of mesenteric small intestinal obstruction: a statistical analysis (ab), Robert D. Sloan, Oct., 669
- similarities of mechanical intestinal obstruction and aganglionic megacolon in newborn infant: review of 64 cases (ab), Orvar Swenson and Franklin Z. Davidson, Nov., 848
- perforation**
- perforation of colon during examination by double-contrast method (ab), Pal Lörim and Folke Brahma, Oct., 670
- physiology**
- intestinal absorption of liver-bound radiovitamin B_{12} in patients with pernicious anemia and in controls (ab), P. G. Reizenstein and W. Nyberg, Aug., 340
- roentgenography.** See also Colon, roentgenography; Gastrointestinal Tract; other subheads under Intestines
- new design for barium rectal tube, Edwin L. Lane, Aug., 289
- observations on small-bowel pattern associated with Zollinger-Ellison syndrome (ab), John W. Weber et al., Oct., 669
- routine barium examination of small bowel (ab), F. O. Brown, Aug., 321
- technical factors in roentgen examination of small intestine (ab), Ross Golden, Oct., 668
- surgery**
- radiographic evaluation of urinary tract following urinary diversion to an ileal bladder (ab), James R. Jude et al., Dec., 989
- tuberculosis**
- asymptomatic tuberculous enteritis simulating carcinoma of cecum (ab), Hubert U. Waggener et al., Sept., 197
- tumors**
- small-bowel tumors, William Martel, Walter M. Whitehouse and Fred J. Hodges, Sept., 368
- volvulus**
- volvulus associated with pregnancy: a review and report of 3 cases (ab), George D. Malkasin, Jr., et al., July, 153
- volvulus of proximal colon (ab), D. deG. Villet, Oct., 670

INTUSSUSCEPTION

- diagnosis and treatment of acute intestinal intussusception with controlled insufflation of air (ab), Eduardo S. Fiorito and Luis A. Recalde Cuestas, July, 153
- pathogenesis and roentgen manifestations of gastroduodenal intussusception (ab), G. F. Testa and G. De Micheli, Dec., 985
- roentgenologic aspects of hydrostatic reduction of ileocecal intussusception (ab), Bertram R. Girdany et al., Sept., 497
- treatment of ileocolic intussusception (ab), Lee W. Bass et al., Oct., 670

IODINE AND IODINE COMPOUNDS

- See also Pyelography
- diagnosis of heart and lung function with aid of albumin labeled with I^{131} (ab), H. Hundeshagen et al., Dec., 995
- inhibiting action (antibacterial) of Joduron B (ab), Zdeňka Ježková and Milan Svoboda, Dec., 992
- metabolism**
- defect of iodinating system in congenital goitrous cretinism: case with biochemical studies (ab), Heskel M. Haddad and J. B. Sidbury, Jr., Sept., 512
- relationship of iodine metabolism and bone structure in endemic cretinism (ab), M. P. König and P. Veraguth, Sept., 501
- radioactive.** See Radioactivity, radioiodine; Thyroid

toxicity

- cause of death in cardioangiography (ab), Raymond C. Read, Sept., 495
- effect of Hypaque on mouse peritoneum, Vernon Sternhill and Solomon Schwartz, Nov., 811
- investigation of effects of opaque media on lungs with comparison of barium sulfate, Lipiodol, and Dionosil (ab), J. S. Dunbar et al., Sept., 490

IODOTHYRONINE. See Thyronine**IONIZATION CHAMBERS.** See Dosimeters and Dosimetry IRON

- See also Anemia, hypochromic; Siderosis
- quantitative method for measuring gastrointestinal absorption of iron (ab), John D. Bonnet et al., Dec., 996
- radioactive.** See Radioactivity, radioiron
- IRWIN, GEORGE L.**: Roentgen determination of time of closure of spheno-occipital synchondrosis, Sept., 450
- IWIG, J.** See PORSTMANN, W.
- IZAK, G., STEIN, Y., AND KARSHAI, A.**: Quantitative determination of gastrointestinal bleeding using Cr^{51} -labeled red blood cells (ab), Nov., 861

J**JACKSON, B. H.** See CARLSON, L. D.**JACOBS, WALTER H.** See BLOCH, CLAUDE**JACOBSON, GEORGE, and BLEECKER, H. HARLAN**: Pseudosubluxation of thigh in children (ab), July, 143**—See BENSON, HERBERT H.****—See BULGRIN, JAMES G.****JACOBSON, HAROLD G., and SHAPIRO, JEROME H.**: Simultaneous biphasic large-film serialigraphy in cerebral angiography (ab), Sept., 486**—See SHAPIRO, JEROME H.****JACOBSON, LEON O., and SIMMONS, ERIC L.**: Comparison of the effects of isologous, homologous, and heterologous hematopoietic tissues on post-irradiation survival, July, 6**JACOBSSON, B., LANNER, L. O., and RÄDBERG, C.**: Dynamic variability of the choledocho-pancreatico-duodenal junction: a roentgen cinematographic investigation (ab), Aug., 324**JACOBSSON, STEN, and JOHANSSON, SVEN**: Lymphographic changes in lower limbs with varicose veins (ab), Dec., 983**JACOBY, JAY, JONES, JOHN R., ZIEGLER, JOHN, CLAASSEN, LEON, and GARVIN, JOHN P.**: Pneumoencephalography and air embolism: simulated anesthetic death (ab), Sept., 480**JACOX, HAROLD W.** See TAPLEY, NORAH duV.**JAMES, J. I. P., LLOYD-ROBERTS, G. C., and PILCHER, M. F.**: Infantile structural scoliosis (ab), Sept., 501**JAMISON, ROBERT M.**: Irradiated blood-typing serum (ab), Nov., 805**JANES, JOSEPH M.** See KELLY, PATRICK J.**JARVIS, J. LUTHER, and SEAMAN, WILLIAM B.**: Idiopathic adrenal calcification in infants and children (ab), July, 163**JAVALET, A.** See PECKER, J.**JAWS****—hemangioma of jaws: review of literature and report of case (ab), Howard W. Smith, Sept., 485****—osteonecrosis of mandible following roentgen therapy of oral neoplasia (ab), E. Gandofo and F. Mairo, Dec., 996****JAYARATNE, SUSANTHA.** See de SILVA, C. C.**JEFFERSON, KEITH.** See SLOMAN, GRAEME**JEJUNUM.** See Intestines, diverticula**JERNIGAN, JAMES A.**: Chronic radiation nephritis: a review of the literature with report of a case (ab), Sept., 515**JEŽKOVÁ, ZDENKA, and SVOBODA, MILAN**: The inhibiting action [antibacterial] of Joduron B (ab), Dec., 992**JIROUT, JAN**: The mobility of the cervical spinal cord under normal conditions (ab), Sept., 502**JODURON B.** See Iodine and Iodine Compounds**JOHANSSON, SVEN.** See JACOBSSON, STEN**JOHNSON, SIGURD E.** See CARTER, BARBARA L.**JOHNSON, CHARLES A.** See HICKEY, ROBERT C.**JOINTS****—See also names under joints, as Hip; Knee; Shoulder****—hereditary enchondral dysostosis: 12 cases in 3 generations mainly with peripheral location (ab), Per Ödman, July, 157****JONAS, W.**: Case of congenital osteogenesis imperfecta visible on prenatal x-ray (ab), Aug., 325**JONES, D. C., and KIMELDORF, D. J.**: Gastrointestinal function during exposure to x-rays (ab), Oct., 687**JONES, D. E. A.** See WILSON, C. W.**JONES, HORACE C.** (obit), Aug., 301**JONES, HOWARD W., JR., GOLDBERG, BENJAMIN, DAVIS, HUGH J., and BURNS, BEAURY C.**: Cellular changes in vaginal and buccal smears after radiation: an index of the radiosensitivity of carcinomas of the cervix? (ab), Sept., 508**JONES, J. A. B., MANTON, D. J., and PICK, E. J.**: Tomography in intravenous cholangiography (ab), Dec., 987**JONES, JOHN R.** See JACOBY, JAY**JONES, MALCOLM D.**: Limitation of hypertrophic spur formation by the costovertebral articulations, Oct., 584**JORDAN, DONN L.** See VOGL, HOWARD H., JR.**JOYCE, JOHN W.** See BARNHARD, HOWARD J.**JOYRICH, MYRON H.** See FEIGELSON, HOWARD H.**JUDE, JAMES R., LUSTED, LEE B., and SMITH, ROBERT R.**:**—Radiographic evaluation of the urinary tract following urinary diversion to an ileal bladder (ab), Dec., 989**

JULLIEN, GEORGES. See FOURNIER, ANDRÉ M.

JUNGMAN, ALFRED: Excretory urography in infants and children. Improved results through the use of postero-oblique projections (ab), Nov., 854

K

KAISER, IRWIN H.: A Robert pelvis: a case report and review of the literature (ab), Oct., 675

KALVEAGE, H. See HÜLHOFER, TH.

KAMMER, HULDICK, and GOODMAN, MORTON J.: Sterility after radioiodine therapy for metastatic thyroid carcinoma (ab), Dec., 997

KAPLAN, HENRY S.: New horizons in radiotherapy of malignant disease (ab), July, 164

KAPO, PETER J.: Gastric pseudodiverticulum secondary to pancreatic pseudocyst (ab), July, 153

KARPAVAR, M. See VLAKHOV, K.

KARSHAI, A. See IZAK, G.

KASILAG, FILOMENO B., JR. See RUTLEDGE, FELIX

KASS, IRVING. See ZYLBERBERG, BERNARD

KATZ, JOSEPH, and COHEN, GEORGE: Preliminary statistical survey of carcinoma of the oesophagus in the African with special reference to acquired oesophageal fistulae (ab), July, 151

KAUFMAN, S. A., SCHEFF, SAUL, and LEVENE, GEORGE: Esophageal moniliasis, Nov., 726

KAUFMANN, G. See WEGMANN, T.

KAUFMANN, W. See HUNDESHAGEN, H.

KAWASHIMA, ETSUKO. See DOTTER, CHARLES T.

KAY, JEROME HAROLD, ANDERSON, ROBERT M., LEWIS, REUBEN R., and REINBERG, MARTIN: Successful repair of sinus of Valsalva-left atrial fistula (ab), July, 150

KAY, ROBERT E., and ENTENMAN, CECIL: Polydipsia and polyuria by the x-irradiated rat (ab), Aug., 346

Weight, nitrogen and DNA content of small intestine mucosa of rats exposed to X-rays (ab), Aug., 347

KAYE, JOSSE: Preparation of the colon for radiological investigation using a new laxative (ab), Dec., 986

KEATS, THEODORE E., and MARTT, JACK M.: A cyanotic tetralogy of Fallot (ab), July, 146

KEGEL, EUGENE E. See FREUND, DONALD R.

KELLY, PATRICK J., JANES, JOSEPH M., and PETERSON, LOWELL F. A.: Effect of arteriovenous fistulae on the vascular pattern of the femora of immature dogs. A microangiographic study (ab), July, 150

KELOID

—keloids: etiology and management by excision and intensive prophylactic radiation (ab), Harry L. Arnold, Jr., and Franklin H. Grauer, Dec., 994

KENAN, P. D. See MARGOLIS, G.

KENDIG, TOM A.: Reduction of fetal irradiation in pelvimetry, Oct., 608

KEREIKES, J. G. See ULMER, D. D.

KEROSENE. See Petroleum Products

KESSLER, I., SILBERMAN, Z., HELLER, J., and PUPKO, L.: Diagnostic considerations in fractures of the carpal scaphoid bone (ab), Nov., 852

KEVILLE, FRANKLIN J., and WISE, BURTON L.: Intracranial epidermoid and dermoid tumors (ab), July, 143

KHOO, F. Y., and DANARAJ, T. J.: The roentgenographic appearance of eosinophilic lung (tropical eosinophilia) (ab), Dec., 977

KIDNEYS

—failure of diethylstilbestrol to affect thyroidal accumulation and renal clearance of I¹³¹ (ab), J. Thomas Dowling et al., Aug., 336

—visualization of renal parenchyma by scintiscanning with Hg²⁰³ Neohydron, John G. McAfee and Henry N. Wagner, Jr., Nov., 820

blood supply. See also Aneurysm, renal; Arteries, renal; Fistula, arteriovenous

—surgically correctable renal hypertension: review and presentation of 4 cases, Joseph J. Bookstein and Herbert L. Abrams, Aug., 207

calcification

—nephrocalcinosis: a clinico-radiological study (ab), Manuel Viamonte Puncet, July, 163

calculi

—aortography in nephrolithiasis (ab), G. Collo and F. Favero, Nov., 990

—diagnostic value of pneumo-uretero-pyelography in nephro-uretero-lithiasis (ab), A. Caffaratti and A. Morelli, Dec., 990

—fluoroscopy during removal of renal calculi (ab), N. J. Nicholson, Sept., 504

cysts

—nephrotomography in differentiation of renal cyst from neoplasm: review of 500 cases (ab), Kuo York Chynn and John A. Evans, Nov., 854

—pyelo-ureteritis cystica; 2 cases (ab), J. A. Veiga Pires, Aug., 329

—roentgen manifestations of multiple cysts of renal medulla, Harold F. Bach and Lawrence L. Larsen, Sept., 363

—roentgenographic analysis of renal mass lesions (cysts and tumors) (ab), Lawrence Reynolds et al., Sept., 503

—sponge kidney: observations in 9 cases (ab), Luigi Vespignani, Dec., 989

effects of irradiation. See also Nephrosclerosis

—chronic radiation nephritis; review of literature with report of case (ab), James A. Jernigan, Sept., 515

—early effects of x-irradiation on specific renal functions in dogs (ab), H. J. Klaproth et al., Aug., 345

—radiation dose to kidney of rat from inhaled radon (ab), Donald A. Morken, Nov., 865

—radiation nephritis: review, case report, and animal study (ab), Bryan L. Redd, Jr., Nov., 864

insufficiency

—acute renal failure following intravenous pyelography in multiple myeloma (ab), W. Scheitlin et al., Nov., 855

—primary hyperparathyroidism and secondary renal failure with osteosclerosis (ab), B. Beveridge et al., Aug., 326

—renal insufficiency after oral administration of a double dose of cholecystographic medium; 2 cases (ab), Robert M. Rene and Sherman M. Mellinkoff, July, 155

neerosis

—renal papillary necrosis: case, Kenneth J. Maier, Edwin S. Braden and Howard C. Burkhead, Aug., 254

pelvis. See also Kidneys, tumors

—one thousand retrograde pyelograms with manometric pressure records (ab), James A. Ross, Sept., 504

—pelvi-ureteric junction: a cinepyelography study (ab), Howard G. Hanley, Oct., 675

physiology

—di-iodinated or tri-iodinated urographic contrast media: Further research on mechanism of renal elimination of contrast media for urography (ab), M. Piemonte and L. Magni, Dec., 990

—further experiences with the radioisotope renogram (ab), Chester C. Winter, Sept., 504

—radioactive Hypaque renogram: assessment of renal function with automatic external scintillation detection equipment (ab), Torsten Dennerby and Ingvar Hendenskog, Dec., 991

—results of the radioisotope renogram and comparison with other kidney tests among hypertensive persons (ab), Chester C. Winter et al., Oct., 683

roentgenography. See also Pyelography; other subheads under Kidneys

—technic and interpretation of nephrotomograms (ab), H. W. A. Post and W. F. W. Southwood, Sept., 505

sclerosis. See Nephrosclerosis

sponge. See Kidneys, cysts

tumors

—an extra-adrenal pheochromocytoma in a child, John W. Hope and Richard J. Golinko, Nov., 791

—neuroblastoma (Wilms' tumor): prognosis more favorable in infants under one year of age (ab), John K. Lattimer et al., Oct., 679

—nephrotomography in differentiation of renal cyst from neoplasm: review of 500 cases (ab), Kuo York Chynn and John A. Evans, Nov., 854

—roentgenographic analysis of renal mass lesions (cysts and tumors) (ab), Lawrence Reynolds et al., Sept., 503

—tumors of kidney pelvis (ab), William N. Taylor, Aug., 329

KIMELDORF, D. J. See JONES, D. C.

KINCAID, OWINGS W. W. See VICKERS, CHARLES W.

KINCAID, WILLIAM E. See CURTISS, PAUL H., JR.

KING, EDWARD L., DYER, ISADORE, KING, JOHN A., and HOFFMAN, MILTON J.: Clinical evaluation of pelvicalycealography: review of 1,200 cases (ab), Nov., 854

KING, JOHN A. See KING, EDWARD L.

KING, JOHN W. See SCHUMACHER, O. PETER

KING, LIONEL R., BRAUNSTEIN, HERBERT, CHAMBERS, DONALD, and GOLDSMITH, RICHARD: Case study of peculiar soft-tissue and bony changes in association with thyroid disease (ab), Aug., 330

KINNEY, J. F. See KIRSH, I. E.

KIRBY, E. J. See BLOCKER, T. G., JR.

KIRCHNER, JOHN A. See SHEDD, DONALD P.

KIRKLAND, JAMES A.: Massive albuminuria following aortography (ab), Oct., 663

KIRKLIN, JOHN W. See VANCE, JOHN W.

—See VICKERS, CHARLES W.

KIRSH, I. E., and KINNEY, J. F.: The roentgen diagnosis of mitral stenosis (ab), Sept., 493

KIRSON, STANLEY M. See KLOPP, CALVIN T.

KIVY-ROSENBERG, E. See ZWEIFACH, B. W.

KLAPPROTH, H. J.: Distribution of renal arterial circulation in the dog (ab), Aug., 317

—TAKAGI, H., and CORCORAN, A. C.: Early effects of x-irradiation on specific renal functions in dogs (ab), Aug., 345

KLATTE, E. C. See CAMPBELL, J. A.

KLEEMAN, CHARLES R. See WINTER, CHESTER C.

KLEFENBERG, GÖSTA, and SALTZMAN, GEORG-FREDERIK: Gas myelographic studies in syringomyelia (ab), July, 161

KLEINFELD, MORRIS, and UDEL, MELVIN M.: The industrial code as a tool in radiation protection (ab), Sept., 516

KLEINMAN, A. IRWIN, and LEVINE, IDA: Clinical diagnosis of tracheal adenoma (cylindroma). Report of a case (ab), Oct., 661

KLIGERMAN, MORTON M. See TAPLEY, NORAH duV.

KLOPP, CALVIN T., and KIRSON, STANLEY M.: The treatment of cancer of the larynx (ab), Nov., 856

KNEE

—arthrography in diagnosis of meniscal injuries of knee: correlation of roentgenographic, clinical, and operative findings (ab), Vernon C. Turner and Flora B. Wurtz, Aug., 327

- KNISELEY, RALPH M.**: Important nonbiological contributions to radioisotope diagnosis. The 1959 Arthur Erskine memorial lecture (ab), Aug., 336
- KNOX, FREDERICK H.** See GREENBERG, BENJAMIN E.
- KNUDSON, HARRIS W.** See STURTEVANT, HARWOOD N.
- KOCH, DONALD A.**: Roentgenologic considerations of capillary bronchiolitis (ab), July, 145
- KOCH, WALTER, and SILVA, ALFREDO**: Anomalous drainage of pulmonary veins into the inferior vena cava. Importance of planimetric study, Oct., 592
- KOENIG, H., and HELLER, JOHN H.**: Dynamics of bone healing and its effect on the skeletal system *in vivo* using strontium⁸⁵ and calcium⁴⁵ (ab), July, 168
- KÖNIG, M. P., and ZERAGUTH, P.**: The relationship of iodine metabolism and bone structure in endemic cretinism (ab), Sept., 501
- KÖRBLER, JURAJ, PADOVAN, IVO, and FRANK, PAVAO**: Radiotherapy of carcinoma of the larynx with radioactive cobalt, strontium, and cesium (ab), Aug., 340
- KOHN, ANTHONY**. See RUBENFELD, SIDNEY
- KOHN, HENRY I., and GUNTER, SHIRLEY E.**: Factors influencing the radioprotective action of cysteine: effects in Escherichia coli due to drug concentration, temperature, time, and pH (ab), Oct., 696
- KOKKALIS, P.** See PORSTMAN, W.
- KOLB, FELIX O.** See STEINBACH, HOWARD L.
- KOUTRAS, D. A.** See DAIKOS, G. K.
- KOZINN, PHILIP J., TASCHDJIAN, CLAIRE L., BURCHALL, JAMES J., and WIENER, HARRY**: Transmission of ³²P-labeled Candida albicans to newborn mice at birth (ab), Nov., 861
- KRABBENHOFT, KENNETH L.** See COOK, JAMES C.
- KRAUBIG, H.**: Hysterosalpingography in genital tuberculosis (ab), Sept., 503
- KRANTZ, SIMON**. See ENGELS, EDWARD P.
- KRAUS, WILLIAM L.** See MOORE, CHARLES B.
- KRAVITZ, SHELDON C.** See HYATT, IRVIN
- KREEL, ISADORE**. See CANTER, JEROME W.
- KRYPTON, RADIOACTIVE**. See Radioactivity, radioisotopes
- KUHN, ROBERT A.**: Modern concepts concerning etiology and treatment of cerebrovascular accidents (ab), Aug., 306
- KURNICK, N. B., FEDER, BERNARD H., MONTANO, ANDREW, GERDES, JAMES C., and NAKAMURA, ROBERT**: Some observations on the treatment of post-irradiation hematopoietic depression in man by the infusion of stored autogenous bone marrow (ab), Oct., 686
- KVETON, FRANK W.** See ZATZKIN, HERBERT R.
- L**
- LA FAVE, JAMES W., CALIN, S., HARTLEY, and MacLEAN LLOYD D.**: Lower esophageal ring: a case report (ab), Oct., 666
- LAGERCRANTZ, R.** See EDLING, N. P. G.
- LAGERCRANTZ, C., LINDBOM, Å., and SÖDERBERG, G.**: Angiographic demonstration of a tumor thrombus in the portal vein. Report of a case (ab), Sept., 494
- LAING, PATRICK G., and FERGUSON, ALBERT B., Jr.**: Radiosodium clearance rates as indicators of femoral head vascularization (ab), Oct., 684
- LAMB, LAWRENCE E.** See DERMSKIAN, GEORGE
- LAMBERG, B.-A., HERNBERG, C. A., WAHLBERG, P., and HAKKILA, RIHTTA**: Treatment of toxic nodular goitre with radioactive iodine (ab), Dec., 995
- LAME, EDWIN L.**: Gastric cardia and fundus: extrinsic and benign tissues simulating gastric cancer. Nov., 703
- New design for barium rectal tube, Aug., 289
- LAMERTON, L. F.** See QUASTLER, H.
- LAMPE, ISADORE**. See SIMONS, CHARLES S.
- See UMIKER, W.
- LAMPERT, P., TÖM, M. I., and RIDER, W. D.**: Disseminated demyelination of the brain following Co⁶⁰ (gamma) radiation (ab), July, 167
- LANDAUER, ROBERT S., BYUN, HYO HYUN, and MAGALOTTI, MARION F.**: An "all-shape" diaphragm for high energy teletherapy units, Nov., 806
- LANDES, RALPH R., and RANSOM, CHARLES L.**: Pre-sacral retroperitoneal pneumography utilizing carbon dioxide: further experiences and improved technique (ab), Oct., 677
- LANDING, BENJAMIN H.** See CURRARINO, GUIDO
- LANG, E. F.** See REED, J. O.
- LANGELIER, PAUL R.** See COOK, FERRIS E., Jr.
- LANNER, L. O.** See JACOBSSON, B.
- LARSEN, LAWRENCE L.** See IBACH, HAROLD F.
- LAURSON, LEONARD W.**: Medicine's role in prepaid medical care plans, Sept., 460
- LARYNGOGRAPHY**. See Larynx
- experimental intralaryngeal injection of radioisotopes (ab), Joel J. Pressman et al., Sept., 513
 - hyperkeratosis of larynx (ab), Arthur J. Cracovner, Sept., 507
 - cancer of larynx occurring in a young woman (ab), John Storer and Edward Goodlett, Sept., 487
 - cancer of larynx: indications for treatment (ab), LeRoy A. Schell, Nov., 856
 - indications for radiation therapy in laryngeal cancer (ab), Robert Robbins, Nov., 857
- LARYNX**
- radiation therapy in cancer of larynx (ab), Simeon T. Cantor, Nov., 857
 - radiotherapy of carcinoma of larynx with radioactive cobalt, strontium, and cesium (ab), Juraj Körbler et al., Aug., 340
 - technics and early results of treatment of carcinoma of larynx and pharynx by supervoltage radiation (ab), Constance A. P. Wood, Oct., 678
 - treatment of cancer of larynx (ab), Calvin T. Klopp and Stanley M. Kirson, Nov., 856
 - use of a cobalt-60 beam unit for treatment of carcinoma of larynx (ab), R. C. Tudway and H. F. Freundlich, Dec., 995
- ROENTGENOGRAPHY**
- laryngography with an opaque medium (ab), V. Lecco et al., Dec., 973
- LASSER, ELLIOTT C.**: Dumbbell bronchogenic cysts, Nov., 748
- LATOURETTE, HOWARD B., and HODGES, FRED J.**: Incidence of neoplasia after irradiation of thymic region (ab), Sept., 514
- See SIMONS, CHARLES S.
- LEMIKER, W.**
- LATTIMER, JOHN K., MELICOW, MEYER M., and USON, AURELIO C.**: Nephroblastoma (Wilms' tumor). Prognosis more favorable in infants under one year of age (ab), Oct., 679
- LAWS, J. W., and FOX, J. G. C.**: Factors controlling the rate of injection of contrast media in angiography (ab), Dec., 978
- LEIGH, R., and STEINER, R. E.: Extra hepatic portal vein obstruction (ab), Oct., 665
- LAXATIVES**. See Cathartics
- LECCO, V., BRUNELLI, B., and BASSANI, G.**: Laryngography with an opaque medium (ab), Dec., 973
- LEDIN, SVEN**. See TER-POGOSSIAN, MICHEL
- LEEDS, NORMAN E.** See ELLIS, KENT
- LEFFMANN, RUDOLF**: Congenital dysplasia of the hip, with special reference to congenital subluxation or "pre-luxation" (ab), Sept., 502
- LÉGER, JEAN-LOUIS**. See MARTINEZ, N.
- LÉGER, W.**: Significance of single large films of the entire spine for the diagnosis of spinal disease (ab), Aug., 326
- LEHMAN, GEOFFREY**. See HAMPSON, LAWRENCE G.
- LEHMAN, J. STAUFFER**. See WINTER, FRED S.
- LEIGH, R.** See LAWS, J. W.
- LEIOMYOMA**. See Tumors, myoma
- LEIOMYOSARCOMA**. See Sarcoma, myosarcoma
- LE MAY, MARJORIE**. See SCHLAEGER, RALPH
- LENS, CRYSTALLINE**
- early changes in lens epithelium after roentgen irradiation: a correlated light and electron microscopic study (ab), Theodor Wanka et al., Oct., 687
- LENTICULAR NUCLEUS**
- skeletal changes in Wilson's disease (hepatolenticular degeneration) (ab), Victor M. Rosenoer and R. C. Michell, Oct., 673
- LEONARDI, GIAN BATTISTA**. See MEDA, PIERO
- LEONG, GEORGE F., PESSOTTI, RITA L., and BRAUER, RALPH W.**: Liver function in regenerating rat liver. Cr³⁹O₄ colloid uptake and bile flow (ab), Sept., 514
- LETTERS TO THE EDITOR**
- Diagnostic roentgenology courses for general practitioners: comment on earlier letter by Dr. Felson, Robert S. Sherman, Aug., 297; reply by Dr. Felson, Aug., 298
- Errors and omissions in construction of x-ray departments, W. S. Altman, Nov., 826
- Image intensifier risk, F. W. Tranter, Sept., 476
- Quick finding of films in darkroom, Alfred J. Niedermayer, Dec., 995
- LEUCUTIA, T.** See COOK, JAMES C.
- LEUKEMIA**
- acute leukemia: skeletal manifestations in children and adults (ab), Theodore F. Hilbush et al., Sept., 500
 - acute leukemia treated by irradiation and marrow transplant: case report emphasizing metabolism imbalance (ab), Alice G. Beard et al., Oct., 681
 - bone-marrow transplantation and chemical protection in radiotherapy of mouse leukemia; preliminary communication (ab), Emanuel B. Schwartz, July, 169
 - leukemia and exposure to x-ray; 6 cases (ab), William C. Moloney, Aug., 342
 - leukemia in children exposed to ionizing radiation (ab), Robert Murray et al., July, 168
 - pulmonary involvement in leukemia (ab), Robert A. Green and Norman J. Nichols, Oct., 660
 - roentgen therapy of certain complications of acute leukemia in childhood (ab), Giulio J. D'Angio et al., Sept., 510
- LEUKOCYTES**
- See also Leukemia; Lymphocytes
- effect of repeated whole-body x-irradiation on peripheral white blood cell count of rabbits (ab), Herbert B. Gerstner and Harry A. Gormat, Aug., 348
- LEVENE, GEORGE**. See KAUFMAN, S. A.
- LEVERNIER, J.** See de SEZE, S.
- LEVSETTI, R.** See ALLEGRAZIA, A.
- LEVINE, IDA**. See KLEINMAN, A. IRWIN
- LEVOANGIOTRIGRAPHY**. See Cardiovascular System, roentgenography: Heart, abnormalities
- LEVY, MARIE-LOUISE**. See NARDI, GEORGE L.
- LEWIS, REUBEN R.** See KAY, JEROME HAROLD
- LEWIS, SAMUEL**. See WEBER, JOHN M.
- LEWIS, STEPHEN R.** See BLOCKER, T. G., Jr.

- LIBBY, RAYMOND L.** See PRESSMAN, JOEL J.
- LIDGETT, KELVIN, CLARKE, K. H., and van den BREK, H. A. S.**: Studies of radio-active phosphorus uptake in the diagnosis of intra-ocular and cutaneous melanoma (ab), Oct., 684
- LIEBNER, EDWIN J.**: Radiologic aid in regional and generalized emphysema of the lungs in infants (ab), Nov., 843
- LIESTE, GROVER J.**: Angiotomography: a preliminary report, Aug., 272
- IGMAGENTS**
- stylohyoid
 - glossopharyngeal neuralgia and ossification of stylohyoid ligament (ab), Carl J. Graf, Aug., 308
- LIKINS, R. C., SCOW, R. O., ZIPKIN, I., and STEERE, A. C.**: Deposition and retention of fluoride and radiocalcium in the growing rat (ab), Aug., 341
- LILIEQUIST, BENGT**: Encephalography in the Arnold-Chiari malformation (ab), Nov., 841
- Pontine angle tumour, encephalographic appearances (ab), Nov., 839
- The subarachnoid cisterns. An anatomic and roentgenologic study (ab), Sept., 484
- LILJEDALH, S.-O., MATTSSON, O., PERNOW, B., and WALENSTEN, S.**: Cineroentgenographic studies of gastrointestinal motility in healthy subjects and in patients with gastric or duodenal ulcer, with special reference to various methods of gastrectomy and the dumping syndrome (ab), July, 152
- LINDBOOM, Å.** See HELANDER, C. G.
- See LAGERGREN, C.
- LINDNER, D. W.** See WEBSTER, J. E.
- LINDSAY, JOHN R.** See HEMENWAY, WILLIAM G.
- LINDSKOG, G. E.** See MEYER, E. C.
- LINGLEY, JAMES R.** See HIGHT, DONALD
- LINSMAN, JOSEPH F.**, and CORDAY, ELIOT: Spontaneous disappearance of gallstones (ab), Aug., 324
- LION, MARCOS F.** See de FARIA, J. LOPEZ
- LIPIDS**. See Lipoids
- LIPIODOL**. See Iodine and Iodine Compounds
- LIPIODS**
- use of ^{131}I -labeled fat in the study of lipid handling in patients with coronary artery disease (ab), Robert H. Seller et al., July, 107
- LIPPINCOTT, S. W., ROBERTSON, J. S., BOND, V. P., CRONKITE, E. P., EASTERDAY, O. D., and FARR, L. E.**: Pathologic effects of thermal neutrons and the $\text{Be}(\text{n}, \alpha)\text{Li}'$ reaction on skin (ab), Nov., 866
- LISSNER, J.**: Value of pneumomediastinum in the differential diagnosis of mediastinal lesions (ab), Aug., 313
- LITHIUM**. See Radioactivity, radiolithium
- LIVER**
- clinical value of liver photoscanning (ab), Donald A. Fee and Sylvia O. Pedoruk, Nov., 862
 - intestinal absorption of liver-bound radiovitamin Bi_3 in patients with pernicious anemia and in controls (ab), P. G. Reizenstein and W. Nyberg, Aug., 340
 - oxidation to C^{14}O_2 and conversion to fatty acids of $\text{C}^{14}\text{glucose}$ in livers of normal, fasted and x-irradiated rats (ab), John G. Coniglio et al., Aug., 341
 - blood supply
 - liver blood flow in man: studies utilizing radioactive colloid. I. Normal values (ab), George L. Nardi et al., July, 168
 - See Liver
 - roentgenographic aids in diagnosis of neoplasms of liver and extrahepatic ducts (ab), John A. Evans and Zuheir Mujaheid, Oct., 672
 - cirrhosis
 - attempt to reproduce cirrhosis of liver in rats after total-body x-irradiation (ab), Harold W. Carroll et al., Aug., 346
 - diseases
 - radiography in diagnosis of hepatic diseases (ab), John R. Hodgson, Oct., 672
 - enzymes
 - effect of x-irradiation on hepatic carbohydrate enzymes in control and hypophysectomized rats (ab), George Weber and Antonio Cantero, Nov., 865
 - function tests. See also Liver, regeneration
 - hepatosplenograms after injection of denatured human serum albumin marked with ^{131}I (ab), B. Delaloye et al., Oct., 683
 - ^{131}I -rose bengal test of liver function: a clinical evaluation (ab), Antonio M. Garcia et al., Oct., 682
 - regeneration
 - liver function in regenerating rat liver: CrPO₄ colloid uptake and bile flow (ab), George F. Leong et al., Sept., 514
 - tumors
 - diaphragmatic changes incident to hepatic neoplasms (ab), Bernard S. Epstein, Aug., 322
- LLOYD-ROBERTS, G. C.** See JAMES, J. I. P.
- LOEFFLER, R. KENNETH**. See CARTER, BARBARA L.
- LÖRINCZ, PAL, and BRAHME, FOLKE**: Perforation of the colon during examination by the double contrast method (ab), Oct., 670
- LOITMAN, BERNARD S.** See SCOTT, WENDELL G.
- LOKEN, M. E., BEISANG, A. A., MOSSER, D. G., and MARVIN, J. F.**: Some effects of roentgen rays (220 kvp) and gamma rays (cobalt-60) on chicken eggs (ab), Oct., 689
- See BERNSTEIN, EUGENE F.
- LOMAS, J. J. P., and BOYLE, A. C.**: Osteochondrodystrophy (Morquio's disease) in three generations (ab), Aug., 325
- LOMBARDI, G., and MIGLIAVACCA, F.**: Angiomas of the spinal cord (ab), Oct., 675
- LOMBARDO, CARLOS R.** See LONG, ROBERT T. L.
- See WALDHAUSEN, JOHN A.
- LONG, MERRITT**. See GOODALL, McC.
- LONG, ROBERT T. L., LOMBARDO, CARLOS R., and BRAUNWALD, EUGENE**: Use of radioactive krypton and cardio-gill dilution curves in the detection of experimental portal systemic venous shunts (ab), Nov., 863
- LONGEVITY**
- combined effects of ionizing radiation and high temperature on longevity of Sprague Dawley rat (ab), L. D. Carlson and B. H. Jackson, Aug., 346
 - late effects of fast neutrons versus x-rays in mice: nephrosclerosis, tumors, longevity (ab), Peter C. Nowell and Leonard J. Cole, Aug., 347
- LONGIN, F., and SCHEHL, R.**: Increased distance between the diaphragm and the gastric fundus on the roentgen picture. Cause and simulation (ab), Nov., 846
- LONTOK, RUDOLFO M., and TABER, KENNETH W.**: Arterio-mesenteric duodenal occlusion (report of 8 proven cases) (ab), Aug., 321
- LOVE, JESSHILL, and FARNASLEY, WESLEY G.**: The use of chemotherapeutic agents and roentgen ray therapy in carcinoma of the lung (ab), Sept., 507
- LOVE, LEON**: The role of the ileocecal valve in large bowel obstruction. A preliminary report, Sept., 391
- LOWENBERG, ROBERT L., and LOWMAN, ROBERT M.**: Peripheral arteriography utilizing image amplification and cine-macroangiography (ab), Nov., 844
- LOWENTHAL, MARTIN**. See RUBENFELD, SIDNEY
- LOWMAN, ROBERT M.** See LOWENBERG, ROBERT L.
- LOWREY, JOHN J.**: Spinal epidural hematomas. Experiences with three patients (ab), July, 161
- LUBIN, DAVID**. See WECHSLER, HERMAN
- LUESSENHOP, ALFRED J.**: Occlusive disease of the carotid artery. Observations on the prognosis and surgical treatment (ab), Sept., 493
- LUNG**
- See also Bronchi; Bronchitis; Pleurisy; Respiratory Tract, etc.
- absence
- contribution to diagnosis and frequency of congenital lung aplasia (ab), Th. Hulshoff and H. Kalvelage, Oct., 657
 - blood supply. See also Arteries, pulmonary. Fistula, arterio-venous; Veins, pulmonary
 - reflections of disease in pulmonary medulla, Robert P. Barden, Sept., 454
 - relationship between pulmonary arterial pressure and roentgenographic appearance in mitral stenosis (ab), Charles B. Moore et al., Aug., 314
 - ventricular septal defect and severe pulmonary hypertension: radiologic considerations in selection of patients for surgery, Charles W. Vickers, Owings W. Kincaid, James W. DuShane and John W. Kirklin, July, 69
- cancer
- cancer of lung in women (ab), Richard E. Ottoman and Justin J. Stein, Nov., 858
 - effects of radiation on lungs in treatment of carcinoma of bronchus (ab), Thomas J. Deely, Nov., 864
 - mass photofluorography: an analysis of its use for detection of lung cancer (ab), Harry Allen and Irvin Franzen, Oct., 658
 - relation of antecedent tuberculosis to bronchogenic carcinoma: study of tuberculin test, radiologic and pathologic evidence (ab), E. C. Meyer et al., Aug., 310
 - roentgen therapy of intrathoracic neoplasms (ab), Franz Buschke, Aug., 332
 - roentgenographic evaluation of primary carcinoma of lung (ab), Kenneth D. McGinnis, Sept., 488
 - solitary circumscribed pulmonary lesion due to bronchogenic carcinoma: a 3-year follow-up study of 94 surgically treated patients (ab), John W. Vance et al., July, 144
 - total thoracic irradiation combined with intravenous injection of autogenous marrow (ab), K. A. Newton, Nov., 865
 - treatment of pulmonary metastases with x-ray therapy (ab), Charles L. Martin, Sept., 507
 - unsuspected bronchogenic carcinoma (ab), James W. Pate et al., Dec., 976
 - use of chemotherapeutic agents and roentgen therapy in carcinoma of lung (ab), Jesshill Love and Wesley G. Farnsley, Sept., 507
 - collapse. See Pneumothorax
 - cysts
 - intralobar pulmonary sequestration (ab), Daniele Salvioni and Ralph R. Goldin, Dec., 974
 - diseases. See also Histoplasmosis; Pneumonia; Tuberculosis, Pulmonary; etc.
 - clinical and roentgenological courses of pulmonary paragonimiasis (ab), Sze-Piao Yang et al., Sept., 489
 - pleural and pulmonary complications of rheumatoid arthritis (ab), A. R. Horler and Malcolm Thompson, Oct., 660
 - pulmonary schistosomal arteriovenous fistulas producing a new cyanotic syndrome in Mans' schistosomiasis (ab), J. Lopes de Faria et al., Aug., 312
 - radiological analysis of disseminated lung disease (ab), David M. Gould and Glenn V. Dalrymple, Sept., 487
 - respiratory disease of mushroom workers: farmer's lung (ab), Louis S. Brinthurst et al., Oct., 659
 - rheumatoid lung disease; case which developed in childhood (ab), Geoffrey L. Brinkman and Leo Chakof, Sept., 488
 - segmental localization of pulmonary disease (ab), Gerald W. Parker et al., Dec., 973

LUNGS—cont.

- edema
- reflections of disease in pulmonary medulla, Robert P. Barden, Sept., 454
- effects of irradiation. See also Lungs, cancer
- prevention of radiation lung damage (ab), A. G. W. Whitfield and W. H. Bond, Aug., 343
- emphysema. See Emphysema, pulmonary
- fibrosis
- association of cardiac pulmonary hemosiderosis and fibrosis (ab), Philip Ellman and R. A. M. Oliver, Sept., 490
- hemorrhage
- idiopathic pulmonary hemorrhage in pregnancy: case suggesting early pulmonary hemosiderosis with clinical recovery after steroid therapy (ab), Victor Gurewich and Martin A. Thomas, Oct., 659
- infarction
- pulmonary "coin" lesion of unusual pathology, R. Paul, July, 118
- mycosis. See Aspergillosis; Blastomycosis; Coccidioidomycosis; Histoplasmosis; Moniliasis
- pathology
- idiopathic pulmonary hemosiderosis in adults: report of case and review (ab), S. Martin Bronson, Dec., 976
- investigation of effects of opaque media on lungs with comparison of barium sulfate, Lipiodol, and Dionosil (ab), J. S. Dunbar et al., Sept., 490
- noninfective necrotizing granulomatosis: pulmonary roentgen signs, Martin E. Bischoff, Nov., 752
- pleuropulmonary manifestations in lupus erythematosus disseminatus (ab), Jon R. Myhre, Dec., 977
- pulmonary "coin" lesion of unusual pathology, R. Paul, July, 118
- pulmonary infiltrations in adenovirus infections (ab), T. Wegmann et al., Oct., 660
- pulmonary involvement in leukemia (ab), Robert A. Green and Norman J. Nichols, Oct., 660
- roentgen appearance of eosinophilic lung (tropical eosinophilia) (ab), F. Y. Khoo and T. J. Danaraj, Dec., 977
- physiology
- diagnosis of heart and lung function with aid of albumin labeled with ^{131}I (ab), H. Hundeshagen et al., Dec., 995
- functional stenosis due to bronchial angulation (ab), C. H. Nicholson et al., Aug., 311
- studies of regional lung function using radioactive oxygen (ab), N. A. Dyson et al., Nov., 862
- roentgenography. See also other subheads under Lungs
- differential diagnosis in unilaterally increased transparency of lungs, caused by congenital defects of major pectoral muscle (ab), R. Walther and B. Blaschke, Aug., 309
- expeditious evaluation of circumscribed pulmonary shadows (ab), Allen E. Greer et al., Dec., 659
- intercostal lung bulging, an early roentgen sign of emphysema in children, S. Schor and I. Ayalon, Oct., 544
- pulmonary changes in hydantoin therapy (ab), Matthew T. Moore, Sept., 490
- thoracic roentgen hypertransparency during asphyxic syndromes in infancy (ab), Gianfranco Vichi and Cesare Cavina, Dec., 976
- sequestration. See Lungs, cysts
- tuberculosis. See Tuberculosis, Pulmonary
- tumors
- primary lymphosarcoma of lung (ab), Emmett R. Hall, Jr., and Brian Blades, Oct., 659
- teratoma of lung (ab), Fred C. Collier et al., July, 114
- vanishing lung. See Emphysema, pulmonary
- vital capacity. See Vital Capacity
- LUPUS ERYTHEMATOSUS
- pleuropulmonary manifestations in lupus erythematosus disseminatus (ab), Jon R. Myhre, Dec., 977
- LUSTED, LEE B. See HILBISH, THEODORE F.
- JUDE, JAMES R.
- LYASS, F. M., and SMAGIN, B. I.: The employment of scanning in the accurate localization of spinal cord tumors (ab), Nov., 862
- LYMPH
- lymphocytosis: a complication of radical pelvic surgery (ab), Felix Rutledge et al., July, 161
- LYMPH NODES
- cancer
- carcinoma of uterine cervix: interstitial radioactive colloidal gold therapy of lateral pelvic nodes (ab), William S. Baker, Jr., Nov., 861
- lymphocytosis: a complication of radical pelvic surgery (ab), Felix Rutledge et al., July, 161
- LYMPHADENOGRAPHY. See Lymphatic System
- LYMPHATIC SYSTEM
- lymphographic changes in lower limbs with varicose veins (ab), Sten Jacobsson and Sven Johansson, Dec., 983
- studies of ulceration and edema of lower extremity by lymphatic cannulation (ab), T. G. Blocker, Jr., et al., Nov., 845
- roentgenography
- lymphadenography: its uses in hematology (ab), B. Malamos et al., Oct., 660
- radiographic studies of lymphatic system (ab), Edward Shulman and Norman Zeuthlin, Aug., 318
- LYMPHOCYSTS. See Lymph
- LYMPHOCYTES
- effect of roentgen irradiation of lymphocytes in vivo (ab), G. H. Hjort, Aug., 347

LYMPHOMA. See Tumors, lymphoma

- LYMPHOSARCOMA. See Sarcoma, lymphosarcoma
- LYONS, HAROLD A., CALVY, GEORGE L., and SAMMONS, BILLY P.: The diagnosis and classification of mediastinal masses. I. A study of 782 cases (ab), Sept., 491
- STROBER, MURRAY, McFETRIDGE, JOHN S., and CARO, COLIN G.: Angiocardiographic study of atrial thrombi with surgical-pathological correlation (ab), July, 146

M

- McAFEE, JOHN G., and WAGNER, HENRY N., Jr.: Visualization of renal parenchyma by scintiscanning with Hg^{203} Neohydrin, Nov., 820
- See WINKELMAN, JAMES W.
- McCUE, CAROLYN M. See BOSHER, LEWIS H., Jr.
- MCCLURE, WILLIAM S., and STANBRO, WILLIAM W.: Visualization of the pancreas by aortography (ab), Aug., 322
- MCDONALD, E. See CROOKS, JAMES
- MCDOUGALL, COLIN. See FIDDIAN, R. V.
- McDOWELL, FLETCHER H., SCHICK, ROBERT W., FREDERICK, WILLIAM, and DUNBAR, HOWARD S.: Arteriographic study of cerebrovascular disease (ab), Aug., 306
- McELWAIN, JACK W. See CHANIN, IRVING F.
- McFETRIDGE, JOHN S. See LYONS, HAROLD A.
- McGAVRAN, MALCOLM H. See PITCOCK, JAMES A.
- McGINNIS, KENNETH D.: Roentgenographic evaluation of primary carcinoma of the lung (ab), Sept., 488
- MacIVER, J. E. See GOLDING, J. S. R.
- MACK, HARRY C.: Adult hypertrophic pyloric stenosis. Report of two cases with variable x-ray findings (ab), Aug., 320
- MACK, ROBERT E., NOLTING, DAVID D., HOGANCAMP, CHARLES E., and BING, RICHARD J.: Myocardial extraction of Rb^{85} in the rabbit (ab), Sept., 514
- and ORTMAYER, LEROY F.: Radioiodine in the evaluation of the thyroid nodule (ab), Oct., 681
- MACKAY, N. R. See DYCHE, G. M.
- McKEEL, M. F. See TAKARO, TIMOTHY
- McLAUGHLIN, EDWARD. See HODGE, JOSEPH
- Mac LEAN, LLOYD D. See LE FAVE, JAMES W.
- MCNAMARA, DAN G. See SINGLETON, EDWARD B.
- MCNULTY, WILBUR. See ROTHEBERG, HARVEY
- MADSEN, E. THYGE: An adjustable mobile cassette holder for orthopaedic operations (ab), Sept., 502
- MAGALOTTI, MARION F. See LANDAUER, ROBERT S.
- MAGNATEN, P. See DELALOYE, B.
- MAGNIFICATION TECHNIC. See Roentgen Rays, technic
- MAGNO, L. See PIEMONTE, M.
- MAGRINI, M. See GHIGO, M.
- MAIER, KENNETH J., BRADEN, EDWIN S., and BURKHEAD, HOWARD C.: Renal papillary necrosis. Report of a case, Aug., 254
- MAIRO, F. See GANDOLFO, E.
- MALAMOS, B., MOULOUPOULOS, S. D., and SARKAS, A.: Lymphadenopathy: its uses in haematology (ab), Oct., 606
- MALASPINA, A. See PISANI, G.
- MALKASIAN, GEORGE D., Jr., WELCH, JOHN S., and HALLENECK, GEORGE A.: Volvulus associated with pregnancy: a review and a report of 3 cases (ab), July, 153
- MALLIS, NICHOLAS. See PATTON, JOHN F.
- MALTAS, ROGER. See DUPRESNE, MAURICE R.
- MALVER, E. See HEINILD, SV.
- MAMMOGRAPHY. See Breast, roentgenography
- MANCHESTER, E. G. H. See EDYE, BENJAMIN
- MANDIBLE. See Jaws
- MANOMETRY
- esophageal pressure and motility in animals: cineradiographic and manometric study (ab), G. S. Muller Botha, Aug., 318
- one thousand retrograde pyelograms with manometric pressure records (ab), James A. Ross, Sept., 504
- MANSON'S SCHISTOSOMIASIS. See Schistosomiasis
- MANTON, D. J. See JONES, J. A. B.
- MARBLE BONES. See Osteosclerosis fragilis
- MARfan syndrome. See Arachnodactyly
- MARGOLIS, G., GRIFFIN, A. T., KENNIN, P. D., TINDALL, G. T., RIGGINS, R., and FORT, L.: Contrast-medium injury to the spinal cord. The role of altered circulatory dynamics (ab), Aug., 328
- MARION, P. See SANTY, P.
- MARKE, LLOYD K., MOEL, MORRIS, ENZER, NORBERT, and VOLK, EDITH: Orabilex and pseudoalbuminuria, Dec., 973
- MARKS, S. See SULLIVAN, M. F.
- MARQUARDT, H.: Maximum permissible doses from the point of view of radiation genetics (ab), Dec., 997
- MARSHAK, RICHARD H., and GERSON, ARNOLD: Mucocle of the appendix (ab), Nov., 848
- See WOLF, BERNARD S.
- MARSHALL, J. H. See ROWLAND, R. E.
- MARTEAU, R. See SEZE, S.
- MARTEL, WILLIAM, WHITEHOUSE, WALTER M., and HODGES, FRED JENNER: Small-bowel tumors, Sept., 368
- MARTIN, CHARLES L.: Treatment of pulmonary metastases with x-ray therapy (ab), Sept., 507

- MARTIN, J. H., EVANS, E. A., and ANDERSON, F. J.: Accuracy in radiotherapy, Oct., 552
—See HOLMAN, W. P.
- MARTIN, J. J.: Radiological aspects of abdominal abscesses (ab), Dec., 992
- MARTINEZ, N., LÉGER, JEAN-LOUIS, OUIMET, DENISE, and BERTRAND, CLAUDE: Visualization of the posterior cerebral artery by injection of the carotid artery (ab), Oct., 655
- MARTT, JACK M.: See KEATS, THEODORE E.
- MARTZ, G.: See SCHEITLIN, W.
- MARUYAMA, YOSH.: See COSMA, JOHN
- MARVIN, J. F.: See LOKEN, M. K.
- MASLEY, PETER M.: Leiomyosarcoma of the stomach: A review of ten cases (ab), Aug., 320
- MASON, A. STUART.: See RABAN, HELEN E. A.
- MASS SURVEYS. See Lungs, cancer
- MATHÉ, CHARLES PIERRE: Aneurysm of renal artery causing hypertension: report of three cases (ab), Aug., 317
- MATHIESEN, FRITS R.: Clinical manifestations of primary varicose veins. II. An evaluation of incompetent communicating veins diagnosed by tilting phlebography (ab), Dec., 982
- MATHIEU, ROGER: On the use of bi-axial rotation therapy with cobalt⁶⁰: physical basis and application in the treatment of carcinoma of the cervix (ab), Aug., 339
- MATTES, MAX W.: See MINTZ, MORRIS J.
- MATTSSON, O.: See LILJEDAHL, S.-O.
- MAURER, ELMER R., and MENDEZ, F. L., Jr.: Diagnostic pneumopericardium: its clinical application (ab), Dec., 975
- MAXFIELD, J. G. S.: See VERMOOTEN, VINCENT
- MAXFIELD, J. B., Jr.: See VERMOOTEN, VINCENT
- MAXWELL, JAMES H.: See BLATT, IRVING M.
- MAXWELL, MORTON H.: See WINTER, CHESTER C.
- MEADOWS, S. P.: Intracavernous aneurysms of the internal carotid artery: their clinical features and natural history (ab), Aug., 307
- MECKEL'S DIVERTICULUM. See Intestines, diverticula
- MECKSTROTH, CHARLES V.: See MOLNAR, WILLIAM
- MEDA, PIERO, LEONARDELLO, GIAN BATTISTA, and COVA, PIER LUIGI: Tumors of the temporal bone (ab), Sept., 485
- MEDIASTINUM
- primary mediastinal choriocarcinoma. Bernard S. Yurick and Richard E. Ottoman, Dec., 901
 - emphysema. See Emphysema, mediastinal
 - pneumomediastinum. See Emphysema, mediastinal; Mediastinum, tumors
 - roentgenography. See also Mediastinum, tumors
 - the pathological mediastinal shadow in anomalous pulmonary venous drainage (ab), H. Warenbourg et al., Oct., 664
 - tumors
 - diagnosis and classification of mediastinal masses. I. A study of 782 cases (ab), Harold A. Lyons et al., Sept., 491
 - primary mediastinal tumors (ab), Joseph Hodge et al., July, 145
 - right aortic arch simulating a mediastinal tumor; case (ab), Itaru Ohara, Oct., 662
 - value of pneumomediastinum in differential diagnosis of mediastinal lesions (ab), J. Lissner, Aug., 313
- MEDICINE
- American Association of Physicians in Medicine, Aug., 297
 - medicine's role in prepaid medical care plans. Leonard W. Larson, Sept., 400
- MAGACOLON. See Colon, dilatation
- MEGADUODENUM. See Duodenum, abnormalities
- MEGAVOLT THERAPY. See Electrons, Radioactivity, radio-cobalt
- MELANOBLASTOMA. See Tumors, melanoma
- MELANOMA. See Tumors, melanoma
- MELICOW, MEYER M.: See LATTIMER, JOHN K.
- MELLINKOFF, SHERMAN M.: See RENE, ROBERT M.
- MELLOR, H. M.: Carcinoma of the cervix uteri: treatment by supervoltage irradiation only. A preliminary report (ab), Nov., 858
- MENDEZ, F. L., Jr.: See MAURER, ELMER R.
- MENDL, KARL, and SHARP, MARY E.: Redundant duodenal mucosal folds and retrograde prolapse through the pylorus (ab), Nov., 847
- MENEELY, GEORGE R.: See BALCHUM, OSCAR J.
- See DYBICKI, JERZY
- MENINGES
- See also Arachnoid hematoma. See Meninges, hemorrhage
 - hemorrhage
 - spinal epidural hematomas; experiences with 3 patients (ab), John L. Lowrey, July, 161
- MENINGOCELE
- atlanto-occipital fusion, basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningocele, and von Recklinghausen's disease. Arthur Zacks, Aug., 223
- MENISCUS. See Semilunar Cartilages
- MENSOR, MERRILL C., and DUVALL, GENE: Absence of motion at the fourth and fifth lumbar interspaces in patients with and without low-back pain (ab), July, 159
- MERCADO, H.: See CASTELLANOS, A.
- MERCURY, radioactive. See Radioactivity, radiomercury
- MEREDITH, JESSE H., and BRADSHAW, H. H.: Leiomyoma of the diaphragm (ab), July, 156
- MESENTERY
- mesenteric cysts in infancy and childhood; review of literature and case (ab), Ernest E. Arnhem et al., Oct., 669
 - roentgenologic evaluation of mesenteric small-intestinal obstruction: a statistical analysis (ab), Robert D. Sloan, Oct., 669
- MESZAROS, WILLIAM T.: The colon in systemic sclerosis (scleroderma) (ab), Oct., 671
- BUCKINGHAM, WILLIAM B., SUTTON, GEORGE C., and HOLMES, GEORGE W.: Angiocardiography with Hypaque-M, 90 per cent (ab), Oct., 662
- METACARPUS
- endocrine significance of short metacarpals (ab), R. M. Archibald et al., Aug., 327
- METASTASES. See Cancer, metastases; Lungs, cancer; Lymph Nodes, cancer; Sarcoma, myosarcoma; etc.
- METHYLTHIOURACIL. See Thiouracil
- MEYER, E. C., SCATLIFF, J. H., and LINDSKOG, G. E.: Relation of antecedent tuberculosis to bronchogenic carcinoma. A study of the tuberculin test, radiologic and pathologic evidence (ab), Aug., 310
- MEYER, JOHN S., SHEEHAN, SHEILA, and BAUER, RAYMOND B.: An arteriographic study of cerebrovascular disease in man. I. Stenosis and occlusion of the vertebral-basilar arterial system (ab), Dec., 972
- DeMICHELI, G.: See TESTA, G. F.
- MICHELIN, R. C.: See ROSENBERG, VICTOR M.
- MICRORADIOGRAPHY: MICROANGIOGRAPHY
- effect of arteriovenous fistulae on vascular pattern of femora of immature dogs: microangiographic study (ab), Patrick J. Kelly et al., July, 150
 - microangiographic study of vasa vasorum of thoracic aorta, Ayres de Sousa and Luiz Alvares, July, 91
 - microangiographic study of Paget's disease (ab), C. Dazzi and M. Garcia, Dec., 988
- MICROSCOPY
- early changes in lens epithelium after roentgen irradiation: a correlated light and electron microscopic study (ab), Theodor Wankow et al., Oct., 687
- MICTURITION. See Urination
- MIDDLEMASS, I. B. D.: Bone changes in adult cretins (ab), Aug., 326
- MIDDLEMISS, J. H.: Haemophilia and Christmas disease (ab), Nov., 850
- MIGLIAVACCA, F.: See LOMBARDI, G.
- V. MIKULICZ-RADECKI, FELIX: Improvement of therapeutic results in carcinoma of the uterine cervix in the course of the last forty-three years (ab), Nov., 858
- MILUTINOVIC, P.: See FARRAN, HELEN E. A.
- MINTZ, MORRIS J., and MATTES, MAX W.: Detection of foreign bodies in the anterior chamber of the bulbus oculi, Oct., 612
- MISKULIN, ANDIELA. See WEISGLASS, HENRIK
- MITCHELL, NATHAN. See RUBENFELD, SIDNEY
- MITRAL VALVE
- angiographic study of atrial thrombi with surgical-pathological correlation (ab), Harold A. Lyons et al., July, 146
 - relationship between pulmonary arterial pressure and roentgenographic appearance in mitral stenosis (ab), Charles B. Moore et al., Aug., 314
 - roentgen diagnosis of mitral stenosis (ab), I. E. Kirsh and J. F. Kinney, Sept., 493
 - study of combined mitral and aortic stenosis (ab), Joseph F. Uricchio et al., Aug., 314
- MITSUYA, HIDEO, ASAI, JUN, SUYAMA, KEIJI, USHIDA, TAKAO, and HOSOE, KENZO: Application of x-ray cinematography in urology. I. Mechanism of ejaculation (ab), Nov., 855
- MITUS, ANNA. See D'ANGIO, GIULIO J.
- MOEL, MORRIS. See MARK, LLOYD K.
- MOLE, R. H.: Effects of dose rate and protraction: a symposium. I. Patterns of response to whole-body irradiation: the effect of dose intensity and exposure time on duration of life and tumor production (ab), July, 170
- MOLINATTI, G. M., CAMANNI, F., and TEDESCHI, M.: Implantation of the pituitary with yttrium-90 in a case of Cushing's syndrome (ab), Aug., 340
- MOLNAR, WILLIAM, MECKSTROTH, CHARLES V., NELSON, SIDNEY W., and BOOTH, RICHARD W.: Transcarotid coronary arteriography in man with emphasis on intercoronary arterial anastomosis, Aug., 185
- See NELSON, SIDNEY W.
- MOLONEY, WILLIAM C.: Leukemia and exposure to x-ray: a report of 6 cases (ab), Aug., 342
- MONASH, SAMUEL, and ROTH, FRANK J., Jr.: Effect of x-rays, grenz rays, thorium X, and adiabatic phosphorus on superficial mycotic agents (ab), Aug., 348
- MONILIASIS
- bilateral pulmonary aspergiloma and pulmonary monilia (ab), K. Vlakhov and M. Karparov, Nov., 844
 - esophageal moniliaisis. S. A. Kaufman, Saul Scheff and George Levene, Nov., 726
- MONSTERS
- holocephalus acephalus; Robert L. Friedman, Nov., 782

- MONTANARA, A.** See BIAGINI, C.
MONTANO, ANDREW. See KURNICK, N. B.
MOORE, CHARLES B., KRAUS, WILLIAM L., DOCK, DONALD S., WOODWARD, EDWARD, Jr., and DEXTER, LEWIS: Relationship between pulmonary arterial pressure and roentgenographic appearance in mitral stenosis (ab), Aug., 314
MOORE, MATTHEW T.: Pulmonary changes in hydantoin therapy (ab), Sept., 490
MORELLI, A. See CAFFARATI, A.
MORGAN, KARL Z.: Human exposure to radiation (ab), Sept., 514
MORKEN, DONALD A.: The radiation dose to the kidney of the rat from inhaled radon (ab), Nov., 805
MORQUIO'S DISEASE. See Dyschondroplasia
MORRIS, GEORGE C., Jr. See CRAWFORD, E. STANLEY
MORRIS, LEON: Angioma of the cervical spinal cord: case report, Nov., 785
 Arteriographic demonstration of the vertebral artery with special reference to percutaneous subclavian puncture (ab), Aug., 307
MORROW, ANDREW G. See BRAUNWALD, EUGENE
 —See COLLINS, N. PERRYMAN
 —See SANDERS, RICHARD J.
 —See WALDHAUSEN, JOHN A.
MOSELEY, JOHN E.: Loculated pneumomediastinum in the newborn: a thymic "spinnaker sail" sign, Nov., 788
MOSELEY, ROBERT D., Jr. See MULLAN, SEAN
MOSS, WILLIAM T., and HADDY, FRANCIS J.: Relationship between oxygen tension of inhaled gas and the severity of acute radiation pneumonitis, July, 55
 —HADDY, FRANCIS J., and SWEANY, SANFORD K.: Some factors altering the severity of acute radiation pneumonitis: variation with cortisone, heparin and antibiotics, July, 50
MOSSER, D. G. See LOKEN, M. K.
MOULOPOULOS, S. D. See MALAMOS, B.
MOUTH
 —cellular changes in vaginal and buccal smears after radiation: an index of radioxicity of carcinoma of cervix? (ab), Howard W. Jones, Jr., et al., Sept., 508
 —exfoliative cytology in radiotherapy of oral cancer: its use in diagnosis of residual carcinoma, W. Umiker, R. Rapp, I. Lampe and H. B. Latourette, July, 107
 —osteonecrosis of mandible following roentgen therapy of oral neoplasia (ab), E. Gandofo and F. Mairo, Dec., 996
MOZLEY, JAMES M. See WINKELMAN, JAMES W.
MUCOCELE. See Appendix
MUCOMYCOSIS
 —mucormycosis (ab), Orlando F. Gabriele, Dec., 993
MÜLLER, HEINRICH GÜNTHER: Metastatic spread of corpus carcinoma, especially into the vagina: means of prevention (ab), Aug., 332
MÜLLER, W., and MUSSHOFER, K.: Ampullary bronchiectasis, a rare malformation of the bronchi (ab), Oct., 658
MUJAHED, ZUHEIR, VASILAS, ANTHONY, and EVANS, JOHN A.: Hemangiopericytoma. A report of four cases with a review of the literature (ab), Sept., 510
 —See EVANS, JOHN A.
MULCAHY, F. See PURCELL, W. M.
MULDER, DONALD G. See CRITTENDEN, I. HUNTER
MULDOON, JAMES P. See WAGGENER, HUBERT U.
MULLAN, SEAN, MOSELEY, ROBERT D., Jr., and HARPER, PAUL V., Jr.: Creation of deep cerebral lesions by small beta ray sources implanted under guidance of fluoroscopic image intensifiers (as used in the treatment of Parkinson's disease) (ab), Aug., 340
MULLER, C. J. B.: Carcinosarcoma of the esophagus (ab), July, 151
MULVEY, RICHARD B.: An unusual myelographic pattern of arachnoiditis, Nov., 778
MUNK, J.: Radiological demonstration of the common bile-duct terminating in a duodenal diverticulum of the papillary region: report on 4 cases (ab), Aug., 325
DI MURO, G. See CHIAPPA, S.
MURRAY, R. O.: Intradural arachnoid cyst of the lumbar spinal canal (ab), Aug., 328
 Radiological bone changes in Cushing's syndrome and steroid therapy (ab), Nov., 850
MURRAY, ROBERT, HECKEL, PHILIP, and HEMPELMANN, LOUIS H.: Leukemia in children exposed to ionizing radiation (ab), July, 168
MUSCLES
 —pectoral
 —differential diagnosis in unilaterally increased transparency of lungs, caused by congenital defects of major pectoral muscle (ab), R. Walther and B. Blaschke, Aug., 309
MUSHROOMS
 —respiratory disease of mushroom workers: farmer's lung (ab), Louis S. Bringhurst et al., Oct., 639
MUSSHOFER, K. See MÜLLER, W.
MYHRE, JON R.: Pleuropulmonary manifestations in lupus erythematosus disseminatus (ab), Dec., 977
MYCOSIS. See Aspergillosis; Blastomycosis; Coccidioidomycosis; Fungi; Histoplasmosis; Moniliasis
MYELOCYTES. See Bones, marrow
MYELOGRAPHY. See Spinal Canal Roentgenography
MYELOMA. See Bones, marrow
MYELOMATOSIS. See Tumors, myeloma
MYOCARDIUM. See Heart
- MYXEDEMA**
 —growth disturbances of skeleton following radiation-induced infantile myxedema (ab), B. Freyer, Aug., 344
- N**
- NACHLAS, I. WILLIAM, and FELDMAN, JAMES R.:** X-ray control for operations on the hip (ab), Aug., 327
NÄGELE, E., and HUWE, W.: Differential diagnosis of so-called gallbladder regeneration (ab), Nov., 849
NAGLE, WILLIAM. See EDEIKEN, JACK
NAGLER, ARNOLD L. See ZWEIFACH, B. W.
NAKAMURA, ROBERT. See KURNICK, N. B.
NARDI, GEORGE L., PALAZZI, HUGO M., and LEVY, MARIE-LOUISE: Liver blood flow in man: studies utilizing radioactive colloid. I. Normal values (ab), July, 168
NATIONAL BUREAU OF STANDARDS
 —National Bureau of Standards high-energy, high-intensity linear electron accelerator, Aug., 297
NATIONAL COMMITTEE ON RADIATION PROTECTION AND MEASUREMENTS (NCRP), July, 122
NECK
 —some congenital cysts and fistulae of neck (ab), T. Philp, Aug., 308
pain
 —cervical diskography: a contribution to the etiology and mechanism of neck, shoulder, and arm pain (ab), Ralph M. Cloward, Oct., 674
tumors
 —teratoma of neck causing neonatal death: case, Ivan M. Woolley and Homer H. Harris, Sept., 456
 —use of Varidase during radiation therapy of head and neck tumors, Frank Gearing, Paxton Powers and George Cooper, Jr., July, 121
wounds and injuries
 —evaluation of cervical spine in whiplash injuries, Herbert R. Zatzkin and Frank W. Kveton, Oct., 577
NECROSIS. See Jaws; Kidneys, necrosis; Pancreatitis
NEGROES
 —growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
NELSON, SIDNEY W., MOLNAR, WILLIAM, CHRISTOFORIDIS, ANTHIMOS, and BRITT, CLARENCE: Coronary arteriography: development of a method in animals with particular attention to physiologic effects, July, 34
 —See MOLNAR, WILLIAM
NEMIRAJA, N. See SARMA, VISHNU
NEOHYDRIN. See Diuretics
NEOMYCIN
 —retrograde pyelography and use of contrast mediums containing neomycin (ab), Howard A. Hoffman and Miguel Paes de Carvalho, Dec., 900
NEPHRITIS. See Kidneys, effects of irradiation
NEPHROBLASTOMA. See Kidneys, tumors
NEPHROCALCINOSIS. See Kidneys, calcification
NEPHROLITHIASIS. See Kidneys, calculi
NEPHROSCLEROSIS
 —late effects of fast neutrons versus x-rays in mice: nephrosclerosis, tumors, longevity (ab), Peter C. Nowell and Leonard J. Cole, Aug., 347
NEPHROTOMOGRAPHY. See Body-Section Roentgenography
NERVES
 —acoustic
 —roentgen diagnosis of acoustic neurinoma (ab), W. Schluengbaum, Aug., 308
 —roentgen diagnosis of eighth nerve tumors, Alfred L. Schmitz and Samuel B. Haverson, Oct., 531
 eighth. See Nerves, acoustic
 optic
 —roentgenologic manifestations of glioma of optic nerve and chiasm (ab), Colin B. Holman, Sept., 487
 paranasal. See Face
NEURALGIA
 —glabellar-pterygopalatine neuralgia and ossification of stylohyoid ligament (ab), Carl J. Graf, Aug., 308
NEURILEMOMA. See Tumors, neurinoma
NEURINOMA. See Tumors, neurinoma
NEUROFIBROMA. See Neurofibromatosis; Tumors, neurofibroma
NEUROFIBROMATOSIS
 —atlanto-occipital fusion, basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningocele, and von Recklinghausen's disease, Arthur Zacks, Aug., 223
NEURORADIOLOGY
 —International Congress of Neuroradiology, Sept., 475
NEUTRONS
 —autologous bone-marrow implantation after fast neutron irradiation of dogs (ab), E. L. Alpen and S. J. Baum, July, 170
 —design and performance of field-defining apertures for neutron capture therapy, E. B. Stickley and L. B. Farr, Oct., 602

- NEUTRONS** —*cont.*
- late effects of fast neutrons versus x-rays in mice: nephrosclerosis, tumors, longevity (ab), Peter C. Nowell and Leonard J. Cole, Aug., 347
 - pathologic effects of thermal neutrons and the B^{10} (n, α) Li reaction on skin (ab), S. W. Lippincott et al., Nov., 806
 - relative biological effectiveness of Cm^{246} gamma rays and fission neutrons: lethal effects on 4-day chick embryo (ab), Howard H. Vogel, Jr., and Don I. Jordan, Oct., 684
- NEWBERRY, G. R.** See DYSON, N. A.
- NEWTON, K. A.**: Total thoracic irradiation combined with intravenous injection of autogenous marrow (ab), Nov., 865
- NEWTON, T. H., and CARPENTER, M. E.**: Ehlers-Danlos syndrome with acro-osteolysis (ab), Oct., 673
- and COUCH, R. S. C.: Possible errors in the arteriographic diagnosis of internal carotid artery occlusion, Nov., 766
- NICHOLS, NORMAN J.** See GREEN, ROBERT A.
- NICHOLSON, C. H., PERKINS, J. B., EMERSON, E. B., Jr., and EMERSON, G. L.**: Functional stenosis due to bronchial angulation (ab), Aug., 311
- NICHOLSON, N. J.**: Fluoroscopy during the removal of renal calculi (ab), Sept., 504
- NICKSON, JAMES J.** See CHU, FLORENCE C. H.
- NITROGEN**
- weight, nitrogen and DNA content of small intestine mucosa of rats exposed to x-rays (ab), Robert E. Kay and Cecil Enteman, Aug., 347
- NITROGEN MUSTARDS**
- cancer palliation: extracorporeal pump perfusion of radioactive isotopes and nitrogen mustard as adjuncts to external radiation therapy (ab), Robert C. Hickey et al., July, 167
 - combined radiation and nitrogen mustard therapy in Hodgkin's disease as compared with radiation therapy alone (ab), James C. Cook et al., Sept., 511
 - intra-aortic nitrogen mustard for the palliation of advanced pelvic cancer, G. M. Stevens, S. F. Thomas and B. C. Wilbur, Dec., 948
- NIXON, W. L. B.** See BULL, J. W. D.
- NOLTING, DAVID D.** See MACK, ROBERT E.
- NORADRENALINE**. See Adrenal Preparations
- NORI BUFALENI, GIACOMO**: So-called spontaneous intracranial pneumatocele (ab), Dec., 972
- NORMAN, ALEX.** See ARNHEIM, ERNEST E.
- NOSE**
- observations on dose from dental x-ray procedures, with note on radiography of nasal bones (ab), G. M. Ardran and H. E. Crooks, July, 169
- NOTTER, G.** See DICZFAULY, E.
- NOWELL, PETER C., and COLE, LEONARD J.**: Late effects of fast neutrons versus x-rays in mice: nephrosclerosis, tumors, longevity (ab), Aug., 347
- NUCLEAR ENERGY**. See Radioactivity
- NUCLEINS**
- effect of post-irradiation bone-marrow treatment on rat spleen nucleic acids (ab), R. M. Iammarino and M. Benbenec, Oct., 690
 - weight, nitrogen and DNA content of small intestine mucosa of rats exposed to x-rays (ab), Robert E. Kay and Cecil Enteman, Aug., 347
- NUTRITION**
- growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
 - seasonal distribution of initial appearance of postnatal ossification centers in hand and wrist of undernourished children (ab), Samuel Dreizen et al., Nov., 852
- NYBERG, W.** See REIZENSTEIN, P. G.
- O**
- OAKBERG, E. F.**: Initial depletion and subsequent recovery of spermatogenesis of the mouse after 20 r of gamma rays and 100, 300, and 600 r of x-rays (ab), Oct., 658
- OBITUARIES**
- Bell, Joseph Clark, July, 131
 - Case, James T., Sept., 409
 - Childs, Donald S., July, 128
 - deLorimier, Alfred A., Dec., 990
 - Dobie, Eugene H., Dec., 961
 - Eberhard, Theodore P., Dec., 959
 - Grubbe, Emil Herman, Sept., 473
 - Jones, Horace C., Aug., 301
- OBLETZ, BENJAMIN E.**: Acute suppurative arthritis of the hip in the neonatal period (ab), Nov., 852
- OCCIPITAL BONE**
- atlanto-occipital fusion, basilar impression, and block vertebra associated with intraspinal neurofibroma, meningocele, and von Recklinghausen's disease, Arthur Zacks, Aug., 223
 - roentgen determination of time of closure of spheno-occipital synchondrosis, George L. Irwin, Sept., 450
- OCHSNER, SEYMOUR FISKE, and CARRERA, G. M.**: Fibroadenoma of gallbladder. Report of case with cholecystographic visualization (ab), Oct., 673
- and ORGERON, EDDIE A.**: Opaque gallstones showing passability during cholecystographic visualization (ab), Nov., 849
- ODELBERG-JOHNSON, OLLE**: Osteosclerotic changes in myelomatosis. Report of a case (ab), July, 158
- ÖDMAN, PER**: Hereditary enchondral dysostosis. Twelve cases in three generations mainly with peripheral location (ab), July, 157
- ÖZDARA, AHSEN**. See DAY, EUGENE D.
- OGDEN, RALPH T.** See BROWNE, HARRY H.
- OHARA, ITARU**: Right aortic arch simulating a mediastinal tumor. A case report (ab), Oct., 662
- OLIVA, VINCENT S., SPRADLEY, CHARLES G., and WILLIAMS, S. F.**: Pathognomonic signs of chronic bronchitis (ab), Dec., 975
- OLIVER, R. A. M.** See ELLMAN, PHILIP O'LOUGHLIN, B. J.: Caval contrast radiography (ab), July, 146
- ONGARO, M.** See PIAZZA, G.
- OOPHORECTOMY**. See Ovary, excision
- OPTIC CHIASM**
- roentgenologic manifestations of glioma of optic nerve and chiasm (ab), Colin B. Holman, Sept., 487
- ORABILEX**. See Gallbladder, Roentgenography
- ORGERON, EDDIE A.** See OCHSNER, SEYMOUR FISKE
- OPHOPHARYNX**. See Pharynx
- ORTHOPEDICS**
- adjustable mobile cassette holder for orthopedic operations (ab), E. Thyge Madsen, Sept., 502
- ORTMEYER, LEROY F.** See MACK, ROBERT E.
- OSSIFICATION**. See Bones, growth; Ligaments, stylohyoid
- OSTEITIS**
- arthritis of hip complicating osteitis pubis (ab), Helen Sender, Oct., 674
 - deformans
 - microradiographic study of Paget's disease (ab), C. Dazzi and M. Garcia, Dec., 988
 - Paget's disease of skull and secondary basilar impression (ab), W. Bull et al., Oct., 654
- OSTEOBLASTOMA**. See Tumors, osteoma
- OSTEOCHONDritis**
- deformans juvenilis
 - coxæ plana in monozygotic male twins (ab), Adolphus W. Dunn, Nov., 853
 - dissecans
 - transchondral fractures (osteochondritis dissecans) of the talus (ab), Albert L. Berndt and Michael Hartly, July, 160
- OSTEOCHONDRODYSPLASIA**. See Dyschondroplasia
- OSTEOGENESIS IMPERFECTA**
- congenital osteogenesis imperfecta visible on prenatal x-ray; case (ab), W. Jonas, Aug., 325
- OSTEOLYSIS**
- Ehlers-Danlos syndrome with acro-osteolysis (ab), T. H. Newton and M. E. Carpenter, Oct., 673
- OSTEOMA**. See Tumors, osteoma
- OSTEOMALACIA**
- unusual roentgen manifestations of osteomalacia (ab), Howard Steinbach et al., Sept., 499
- OSTEOMEDULLOGRAPHY**. See Bones, marrow
- OSTEOPETROSIS**. See Osteosclerosis, fragilitas
- OSTEOSARCOMA**. See Bones, tumors
- OSTEOSCLEROSIS**
- bone sclerosis in multiple myeloma, Edward P. Engels, Robert C. Smith and Simon Krantz, Aug., 242
 - osteosclerotic changes in myelomatosis; case (ab), Olli Odelberg-Johnson, July, 158
 - primary hyperparathyroidism and secondary renal failure with osteosclerosis (ab), B. Beveridge et al., Aug., 326
 - fragilitas
 - facial paralysis associated with osteopetrosis (marble bones); report of case of syndrome occurring in 5 generations of same family (ab), Norman T. Welford, Oct., 656
- OTTO, MERLE L.** See RUDMAN, IRVING
- OTTO, PELVIS**. See Acetabulum
- OTTOMAN, RICHARD E., and STEIN, JUSTIN J.**: Cancer of the lung in women (ab), Nov., 858
- See YURICK, BERNARD S.**
- OUIMET, DENISE**. See MARTINEZ, N.
- OVARY**
- estrogen excretion in breast cancer patients before and after ovarian irradiation and oophorectomy (ab), E. Diczfalusy et al., Aug., 343
 - total-body radiation and dose to the ovaries from a therapeutic dose of iodine 131 (ab), H. E. Duggan et al., Oct., 682
 - excision
 - estrogen excretion in breast cancer patients before and after ovarian irradiation and oophorectomy (ab), E. Diczfalusy et al., Aug., 343
- OWEN, CHARLES A., Jr.** See BONNET, JOHN D.
- OWEN, MORRIS**: Speculation on the value of the right or left indicator on the radiograph (ab), Dec., 991
- OXIDATION**
- oxidation to $C^{14}O_2$ and conversion to fatty acids of C^14 -glucose in livers of normal, fasted and x-irradiated rats (ab), John G. Comiglio et al., Aug., 341
- OXIMETRY**. See Blood, oxygen

OXYGEN

- See also Blood, oxygen
 —combination of oxygen and optimum fractionation in radiation therapy of adenocarcinoma (ab), Lucille A. Du Sault et al. Aug., 333
 —relation between oxygen tension of inhaled gas and severity of acute radiation pneumonitis, William T. Moss and Francis J. Haddy, July, 55
 —studies of regional lung function using radioactive oxygen (ab), N. A. Dyson et al. Nov., 862
insufflation. See Pneumography

P

- PADHI, R. K.:** Fatal infarction of the descending colon after lumbar aortography (ab), Nov., 848
PADOVAN, IVO. See KÖRBLER, JURAJ
PAGAN-CARLO, JOSUE: Vascular measurements of smokers and nonsmokers: differences seen in posteroanterior roentgenograms made with patients standing erect (ab), Dec., 974
PAGET'S DISEASE. See Osteitis deformans
PAIN. See Abdomen; Shoulder; Stomach
PALAZZI, HUGO M. See NARDI, GEORGE L.
PALLADIUM. See Radioactivity, radiopalladium
PALUBINSKAS, A. J.: Eosinophilic cystitis. Case report of eosinophilic infiltration of the urinary bladder, Oct., 589
CHRISTENSEN, W. R., HARRISON, J. H., and SOSMAN, M. C.: Calcified adrenal cysts (ab), Sept., 506
—and DAVIES, HUGH: Calcification of the basal ganglia of the brain (ab), Nov., 840
PANCREAS
 —dynamic variability of the choledocho-pancreatico-duodenal junction: a roentgenographic investigation (ab), B. Jacobson et al. Aug., 324
abnormalities
 —annular pancreas, James A. Gilroy and Andrew B. Adams, Oct., 568
cysts
 —gastric pseudodiverticulum secondary to pancreatic pseudocyst (ab), Peter J. Kapo, July, 153
inflammation. See Pancreatitis
roentgenography
 —study of pancreatectomy (ab), Martin Birnstingl, July, 155
 —visualization of pancreas by aortography (ab), William S. McCune and William W. Stanbro, Aug., 322
tumors
 —observations on small-bowel pattern associated with Zollinger-Ellison syndrome (ab), John W. Weber et al., Oct., 669

PANCREATITIS

- emphysematos necrotizing pancreatitis (ab), Murry G. Fischer and Abraham Geffen, Sept., 499
PANCREATOGRAPHY. See Pancreas, roentgenography
PAPE, L. See GILDENHORN, HYMAN L.
PAPILLA OF VATER. See Vater's Ampulla
PAPILLA, RENAL. See Kidneys, necrosis
PAPILLON, J. See SANTY, P.
PARAGONIMIASIS
 —clinical and roentgenological courses of pulmonary paragonimiasis (ab), Sze-Piao Yang et al. Sept., 489

PARASITES

- See also Dracunculus, Trypanosomiasis
 Pneumocystis carinii. See Pneumonia

PARATHYROID

- hyperparathyroidism
 —hyperparathyroidism with pseudoerosion of sella turcica; case (ab), Jack Edeiken and William Nagle, July, 143
 —primary hyperparathyroidism and secondary renal failure with osteosclerosis (ab), B. Beveridge et al. Aug., 326
PARKER, GERALD W., STURTEVANT, HARWOOD N., REED, JOEL E., and FLAHERTY, ROBERT A.: Segmental localization of pulmonary disease (ab), Dec., 973
PARKER, ROBERT G. See SMITH, DURWOOD J.

PARKINSON'S DISEASE

- creation of deep cerebral lesions by small beta-ray sources implanted under guidance of fluoroscopic image intensifiers (as used in treatment of Parkinson disease) (ab), Sean Mallon et al. Aug., 340

PATE, JAMES W., CAMPBELL, ROGER E., and HUGHES, FELIX A.: Unsuspected bronchogenic carcinoma (ab), Dec., 974**PATTINSON, J. N., and GRAINGER, R. G.:** Congenital malformation of the aortic arch (ab), Aug., 315**PATTON, JOHN F., HEWITT, CLARENCE B., and MALLIS, NICHOLAS:** Diagnosis and treatment of tumors of the testis (ab), Oct., 680**PAUCHANT, M.** See WAREMBOURG, H.**PAUL, LESTER W.:** Recent advances in roentgenology of the biliary system (ab), Aug., 322**PAUL, R.:** Pulmonary "coin" lesion of unusual pathology, July, 118**PEARCE, JOHN M.** See DINEEN, JOSEPH

- PEASLEY, E. D. See TAKARO, TIMOTHY

PECKER, J., JAVALET, A., and STABERT, CH.: Angiography in head trauma (ab), Sept., 486**PEDIATRICS**

- See also Children; Infants, Newborn

PEDEJA, GIUSEPPE: Intertransverse processes of the spine (ab), Dec., 989**PELVICEPHALOGRAPHY.** See Craniometry; Pelvis, measurement**PELVIMETRY.** See Pelvis, measurement**PELVIS**

See also under names of pelvic bones and organs

abnormalities

- Robert pelvis: case report and review of literature (ab), Irwin H. Kaiser, Oct., 675

blood supply

- pelvic angiography in diseases of prostatic gland (ab), A. Bobbio et al. Sept., 505

cancer

- intra-aortic nitrogen mustard for the palliation of advanced pelvic cancer, G. M. Stevens, S. F. Thomas and B. C. Wilbur, Dec., 948

- photoconductance crystals for intracavitary dosimetry, Emanuel G. Tulski, Jen-Ti Chen and Arthur Finkelstein, July, 98

lymph nodes. See Lymph Nodes**measurement**

- clinical evaluation of pelvicedaphalography: review of 1,200 cases (ab), Edward L. King et al. Nov., 851

- reduction of fetal irradiation in pelvimetry, Tom A. Kendig, Oct., 608

surgery. See Uterus, cancer**PENDERGRASS, EUGENE P.** See RAVENTOS, A.**PENIS**

- carcinoma of penis—radium treatment—assessment of results (ab), K. M. Rai, Oct., 680

PEPTIC ULCER

- duodenal ulcer in children; 3 cases (ab), B. Brunelli and A. Santino, Dec., 986

- observations on small-bowel pattern associated with Zollinger-Ellison syndrome (ab), John W. Weber et al. Oct., 669

- trichobezoar and gastric ulcer (ab), Enrique Schwarz, Dec., 985

roentgenography

- peptic ulcer associated with corticosteroid therapy: serial roentgenographic studies, James G. Bulgrin, Edmund L. Dubois and George Jacobson, Nov., 712

- problems for radiologist in diagnosis of gastric ulcer (ab), Wendell G. Scott et al. Dec., 985

therapy

- cine-roentgenographic studies of gastrointestinal motility in healthy subjects and in patients with gastric or duodenal ulcer, with special reference to various methods of gastrectomy and the dumping syndrome (ab), S.-O. Liljedahl et al. July, 152

- therapeutic principles in management of peptic ulcer. 4. Radiation therapy with cobalt 60 (ab), Charles H. Brown, Nov., 860

PEREIRAS, R. See CASTELLANOS, A.**PERICARDIUM**

- acute pericardial fat necrosis: case (ab), Martin H. Chester and John B. Tully, Aug., 314

- diagnostic pneumopericardium: its clinical application (ab), Elmer R. Maurer and F. L. Mendez, Jr., Dec., 979

- radiation fibrosis of pericardium with cardiac tamponade: case report with post-mortem studies and review of literature (ab), David W. Hurst, Aug., 343

abnormalities

- congenital deficiencies in parietal pericardium: review with 2 new cases including successful diagnosis by plain roentgenography (ab), Kent Ellis et al. Aug., 313

effusion

- chronic idiopathic pericardial effusion without tamponade (ab), Daniel C. Connolly et al. Oct., 662

tumors

- pulmonic stenosis due to compression of pulmonary artery by an intrapericardial tumor (ab), John A. Waldhausen et al. July, 148

PERTONEUM

- effect of Hypaque on mouse peritoneum, Vernon Sternhill and Solomon Schwartz, Nov., 811

effusion. See Effusions**PERKINS, J. B.** See NICHOLSON, C. H.**PERKINS, L. B.** See ULMER, D. D.**PERNICIOUS ANEMIA.** See Anemia, pernicious**PERNOW, B.** See LILJEDAH, S.-O.**PERSHING, HUGH S.** See SHUTTLEWORTH, JOHN S.**PESERICO, LUIGI.** See SVIEN, HENDRIK J.**PESSOTTI, RITA L.** See LEONG, GEORGE F.**PETERSEN, OLAF.** See GUDBERG, C. E.**PETERSON, LOWELL F. A.** See KELLY, PATRICK J.**PETROLEUM PRODUCTS**

- keratoconjunctivitis (ab), Jack Reynolds and Frederick J. Bonte, Nov., 843

PETTET, J. B. See COSMA, JOHN

- PFALZNER, PAUL M.:** A general formula for axial depth dose derived from an empirical power law for tumour air ratios, Sept., 438

PHANTOMS

- measurement with chemical dosimetry of absorbed integral dose in large phantoms, L. H. Gevantman and J. H. Andt, Oct., 599

PHARYNX

- glossopharyngeal neuralgia and ossification of stylohyoid ligament (ab), Carl J. Graf, Aug., 308

cancer

- techniques and early results of treatment of carcinoma of larynx and pharynx by supervoltage radiation (ab), Constance A. P. Wood, Oct., 678

PHARYNX—cont.**surgery**

- cardiospasm after pharyngo-esophageal resection; case (ab), Claude Bloch and Walter H. Jacobs, Dec., 984
- cineradiographic study of postresectional alterations in oropharyngeal physiology (ab), Donald P. Shedd et al., Nov., 843

PHEOCHROMOCYTOMA. See Tumors, pheochromocytoma

PHILLIPS, RONALD W. See DOTTER, CHARLES T.

PHILIP, T.: Some congenital cysts and fistulae of the neck (ab), Aug., 308

PHLEBOGRAPHY. See Varicose Veins; Veins

PHOSPHATASE

- some factors involved in effect of x-irradiation on phosphatase activity of hematopoietic tissues (ab), Edwin M. Uyeki and Paul R. Salerno, Aug., 344

PHOSPHORUS, RADIOACTIVE. See Radioactivity, radio-phosphorus

PHOTOCONDUCTANCE CRYSTALS

- photoconductive crystals for intracavitary dosimetry, Emanuel G. Tulsky, Jen-Ti Chen and Arthur Finkelstein, July, 98

PHOTOFLUOROGRAPHY. See Lungs, cancer

PHOTONS

- measuring large radiation doses: a Nucleonics report (ab), Aug., 335

PHYSICS AND PHYSICISTS

See also Roentgen Rays, physics

- American Association of Physicists in Medicine, placement service, Aug., 297

PIAZZA, G., and ONGARO, M.: Roentgen appearance of malignant tumor in the duodenal bulb (ab), Dec., 986

PICKARD, E. J. See JONES, J. A. B.

PICKARD, CECIL. See FRAIN-BELL, LOCKHART

PICKER FOUNDATION. See Education

PIEMONTE, M., and MAGNO, L.: Di-iodinated or tri-iodinated urographic contrast media? Further research on the mechanism of renal elimination of the contrast media for urography (ab), Dec., 990

PIERCE, JOHN A. See BARNHARD, HOWARD J.

PILCHER, M. F. See JAMES, J. I. P.

PINET, F. See SANTY, P.

PIRASTU, F. See CARTA, G.

PISANI, G., and MALASPINA, A.: Eighteen cases of cancer of the oesophagus treated with tele-cobalt-therapy (ab), Oct., 678

PITCOCK, JAMES A., BAUER, WALTER C., and McGAVRAN, MALCOLM H.: Hodgkin's disease in children. A clinicopathological study of 46 cases (ab), Aug., 333

PITUITARY BODY

- implantation of pituitary with yttrium 90 in case of Cushing's syndrome (ab), G. M. Molinatti et al., Aug., 340
- radiological changes and clinical incidence of endocrine effects in sellar and parasellar tumors, H. F. W. Pribram and G. F. Swann, Dec., 877

excision

- effect of x-irradiation on hepatic carbohydrate enzymes in control and hypophysectomized rats (ab), George Weber and Antonio Cantero, Nov., 865

PITUITARY PREPARATIONS

- effect of thyrotropic hormone on accumulation of radioactive iodine in thyrotoxicosis (ab), A. W. G. Goolden, Aug., 336

PLACENTA

- transfer of radioactive iron via placenta and accessory fetal membranes in rabbit (ab), J. Davies et al., Aug., 341

PLANIGRAPHY. See Body-Section Roentgenography

PLANINSEK, JAKOB A. See DAY, EUGENE D.

PLATYBASIA

- atlanto-occipital fusion basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningioma, and von Recklinghausen's disease, Arthur Zacks, Aug., 223

- Paget's disease of skull and secondary basilar impression (ab), J. W. D. Bull et al., Oct., 654

PLEURA

See also Lungs

effusion. See Effusions; Pleurisy, with effusion

PLEURISY**with effusion**

- pleural and pulmonary complications of rheumatoid arthritis (ab), A. R. Horler and Malcolm Thompson, Oct., 660

PLOTT, DWIGHT. See COLLIER, FRED C.

PNEUMATOCELE. See Pneumocephalus

PNEUMATOMYCTOIDES INTESTINALIS. See Intestines, cysts

PNEUMOCEPHALUS

- so called spontaneous intracranial pneumatocele (ab), Giacomo Nori Bufalini, Dec., 972

PNEUMOCHOLECYSTITIS. See Gallbladder, diseases

PNEUMOCOCCI. See Pneumonia

PNEUMOCYSTIS CARINII. See Pneumonia

PNEUMOENCEPHALOGRAPHY. See Brain, roentgenography

PNEUMOGRAPHY

- experience with retroperitoneal air insufflation (retro-pneumoperitoneum) (ab), E. Sóváry, July, 164

- presacral retroperitoneal pneumography utilizing carbon dioxide. Further experiences and improved technique (ab), Ralph R. Landes and Charles L. Ransom, Oct., 677

- some uses for presacral oxygen insufflation (ab), J. G. Sowerbutts, Aug., 330

PNEUMOMEDIASTINUM

See also Emphysema, mediastinal

- value of pneumomediastinum in differential diagnosis of mediastinal lesions (ab), J. Lissner, Aug., 313

PNEUMONIA

See also Pneumonitis

- acute pneumococcal lobar pneumonia: significance of non-segmental distribution (ab), Robert G. Fraser and George Wortzman, Aug., 311

- changes in bronchi in pneumonia (ab), J. Häber et al., Sept., 491

- Pneumocystis carinii pneumonia, Caroline W. Rowe, Aug., 257

- segmental localization of pulmonary disease (ab), Gerald W. Parker et al., Dec., 973

- transient paradoxical movement of diaphragm (concomitantly with pneumonia) (ab), Raymond A. Gagliardi et al., Oct., July, 157

PNEUMONITIS

- kerosene pneumonitis (ab), Jack Reynolds and Frederick J. Bonte, Nov., 843

- relationship between oxygen tension of inhaled gas and severity of acute radiation pneumonitis, William T. Moss and Francis J. Haddy, July, 55

- some factors altering severity of acute radiation pneumonitis: variation with cortisone, heparin, and antibiotics, William T. Moss, Francis J. Haddy and Sanford K. Sweany, July, 50

PNEUMOPERICARDIUM. See Pericardium

PNEUMOTHORAX

- spontaneous pneumothorax in apparently healthy flying personnel (ab), George Dermians and Lawrence E. Lamb, Aug., 309

PNEUMOUROTEROPELOGRAPHY. See Kidneys, calculi

POCHACZEVSKY, RUBEM, YEN, YING MING, and SHERMAN, ROBERT S.: The roentgen appearance of benign osteoblastoma, Sept., 429

POIDEVIN, L. O. S.: Caesarean section scar safety (ab), Sept., 503

POLIVANI, F. See ALLEGRENZA, A.

POLYDISSA

- polydipsia and polyuria in x irradiated rat (ab), Robert E. Kay and Cecil Enterman, Aug., 346

POLYURIA. See Urination, disorders

PONKA, JOSEPH L., FOX, J. DE WITT, and BRUSH, BROCK E.: Coexisting carcinoma and diverticula of the colon. A review of 355 cases of carcinoma of the colon (ab), July, 154

PONTOCEREBELLAR ANGLE. See Cerebellopontile Angle

PORSTMAN, W., and IWIG, J.: The intramural coronary artery on the angiogram (ab), Dec., 981

—and **KOKKALIS, P.**: The problems of coronary arteriography. Experiments on dogs with mammary-coronary anastomoses (ab), Oct., 664

PORTAL VEIN

- effect of local factors on portal venous pattern (ab), Jerome W. Canter et al., Oct., 665

- extrahepatic portal vein obstruction (ab), J. W. Laws et al., Oct., 665

- use of radioactive krypton and cardio-green dilution curves in detection of experimental portal systemic venous shunts (ab), Robert T. L. Long et al., Nov., 863

PORTER, K. A.: Marrow transplantation after radiation: an experimental approach to the immunological complication (ab), Nov., 805

POSER, CHARLES M. See Taveras, Juan M.

POST, H. W. A., and SOUTHWOOD, W. F. W.: The technique and interpretation of nephrotomograms (ab), Sept., 505

POSTERIOR FOSSA

—intracranial posterior-fossa tumors, Samuel B. Haverson, July, 59

POWERS, PAXTON. See GEARING, FRANK

PRATT, GERALD H.: Definitive treatment of the post-thrombotic syndrome. The use of venograms to differentiate and delineate surgical treatment (ab), Nov., 845

PRATT, PHILIP C. See ANDREWS, NEIL C.

PRATT, R. T. C. See BULL, J. W. D.

PREGNANCY

See also Fetus; Pelvis, measurement

—etiology, development, and effect upon pregnancy of prostatic acetabulum (Otto pelvis) (ab), H. H. Francis, July, 162

—growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, size, height, and socio-economic status, Gadson J. Tarleton Jr., B. Perry Crump and Carrell P. Horton, Dec., 932

—idiopathic pulmonary hemorrhage in pregnancy; report of case suggesting early pulmonary hemidesmosis with clinical recovery after steroid therapy (ab), Victor Gurewich and Martin A. Thomas, Oct., 659

—transitory demineralization of hip in pregnancy; 3 cases (ab), Paul H. Curtis, Jr., and William E. Kincaid, Aug., 327

—volvulus associated with pregnancy: a review and report of 3 cases (ab), George D. Malkasian, Jr., et al., July, 153

roentgenography in. See also Pelvis, measurement

—reduced gonadal irradiation in prenatal chest roentgenographic examinations (ab), Lewis B. Etter et al., Dec., 997

PRESSMAN, DAVID. See DAY, EUGENE D.

- PRESSMAN, JOEL J., DOWDY, ANDREW H., LIBBY, RAYMOND L., FIELDS, MAX, SIMON, MILDRED B., and HAND, KATHRYN:** Experimental intralaryngeal injection of radioisotopes (ab), Sept., 513
- PRESSURE.** See Bladder, roentgenography; Manometry
- PRIEBRAM, H. F. W., and SWANN, G. F.:** The radiological changes and clinical incidence of endocrine effects in sellar and parasellar tumours, Dec., 877
- PRICE, VINCENT E.:** See GREENFIELD, ROBERT E.
- PROCHLORPERAZINE**
- prochlorperazine and irradiation sickness (ab), M. J. Sloan, Sept., 515
- PROCTITIS.** See Rectum
- PROSTATE**
- pelvic angiography in diseases of prostatic gland (ab), A. Bobbio et al., Sept., 505
 - cancer**
 - use of radioactive phosphorus in management of advanced carcinoma of prostate (ab), Vincent Vermooten et al., Aug., 339 - surgery**
 - radioisotopic study of effects of irrigating fluids in transurethral prostatectomy (ab), Eldon M. Fillman et al., Sept., 512
- PROTAS, JACOB M.:** See BLOCKER, T. G., Jr.
- PSORIASIS**
- psoriatic arthritis: a roentgenologic study, Rogelio Avila, David G. Pugh, Charles H. Slocumb and R. K. Winkelmann, Nov., 691
- PSYCHONEUROSES**
- psychosomatic approach to recurrent abdominal pain in childhood, with particular reference to x-ray appearances of stomach (ab), Sv. Heinild et al., Dec., 984
- PUBERTY**
- late appearance and evolution of a cortical defect in boy with delayed puberty (ab), Gerhart S. Schwarz, Nov., 853
- PUBIC BONE**
- arthritis of hip complicating osteitis pubis (ab), Helen Sender, Oct., 674
- PUBLIC HEALTH**
- radiation facts for public health officers (ab), Reynold F. Brown, Nov., 866
- PUGH, DAVID G.:** See AVILA, ROGELIO
- PULMONARY VALVE**
- clinical aspects and pathophysiology of isolated congenital pulmonary stenosis (ab), A. Tsakiris et al., Oct., 664
 - isolated congenital pulmonic valvular regurgitation: diagnosis by cardiac catheterization and angiography (ab), N. Perryman Collins et al., Dec., 980
 - pulsations in pulmonary arteries as observed with roentgenoscopic image amplification: observations in patients with isolated pulmonic valvular stenosis (ab), Brit B. Gay, Jr., and Robert H. Franch, Dec., 980
- PULSE**
- Takayasu's disease: case with angiographic study (ab), John Cosma et al., Aug., 316
- PUMP**
- cancer palliation: extracorporeal pump perfusion of radioactive isotopes and nitrogen mustard as adjuncts to external radiation therapy (ab), Robert C. Hickey et al., July, 167
- PUPKO, L.:** See KESSLER, I.
- PURCELL, W. M., and MULCAHY, F.:** Non-osteogenic fibroma of bone (ab), Nov., 851
- PYLAERT, C. B. A. J.:** The radiological diagnosis of the congenital obstruction of the duodenum (megaduodenum) (ab), Sept., 496
- PYEOGRAPHY**
- See also Kidneys, calculi
 - acute renal failure following intravenous pyelography in multiple myeloma (ab), W. Scheithlin et al., Nov., 855
 - di-iodinated or tri-iodinated urographic contrast media? Further research on the mechanism of renal elimination of contrast media for urography (ab), M. Piemonte and L. Magno, Dec., 990
 - excretory urography in infants and children: improved results through use of postero oblique projections (ab), Alfred Jungmann, Nov., 851
 - one thousand retrograde pyelograms with manometric pressure records (ab), James A. Ross, Sept., 504
 - pelvi ureteric junction: a cinepyelography study (ab), Howard G. Hanley, Oct., 675
 - retrograde pyelography and use of contrast mediums containing neomycin (ab), Howard A. Hoffman and Miguel Paes de Carvalho, Dec., 990
- PYEO-URETERITIS CYSTICA.** See Kidneys, cysts; Ureters, cysts
- PYLORUS**
- See also Stomach
 - prepyloric septum: a rare anomaly (ab), J. Thompson Rowling, July, 152
 - redundant duodenal mucosal folds and retrograde prolapse through pylorus (ab), Karl Mendel and Mary E. Sharp, Nov., 847
 - hypertrophy and stenosis**
 - adult hypertrophic pyloric stenosis: 2 cases with variable x-ray findings (ab), Harry C. Mack, Aug., 320
 - radiography of stomach in hypertrophic pyloric stenosis in acute phase and the first few months after surgical or spasmolytic treatment (ab), O. Steinicke and M. Roelsgaard, Oct., 667
- Q**
- QUASTLER, H., BENSTED, J. P. M., LAMERTON, L. F., and SIMPSON, S. M.:** Effects of dose-rate and protraction: a symposium. II. Adaptation to continuous irradiation: observations on the rat intestine (ab), July, 170
- R**
- RAD.** See Units of Radiation
- RÄDBERG, C.:** See JACOBSSON, B.
- RADHAKRISHNAN, M. A.:** See ANNAMALAI, AL.
- RADIATIONS**
- See also Counters and Counting; Dosimeters and Dosimetry; Neutrons; Radioactivity; Radium; Radon; Roentgen Rays; Thorium; Uranium
 - International Congress of Radiation Research (Second), Dec., 964
 - measuring large radiation doses: a Nucleonics report (ab), Aug., 335
 - radiation and borrowed tissues (ed), Richard H. Chamberlain, July, 123
 - training program in Radiation Biology and Cancer-Related Research, Bowman Gray School of Medicine, Dec., 965
 - effects.** See also Radiations, injurious effects
 - effects of dose-rate and protraction: a symposium. I. Patterns of response to whole-body irradiation: effect of dose intensity and exposure time on duration of life and tumor production (ab), R. H. Mole, July, 170
 - effects of dose rate and protraction: a symposium. II. Adaptation to continuous irradiation: observations on rat intestine (ab), H. Quastler et al., July, 170
 - effects of dose-rate and protraction: a symposium. III. Problems of injury and repair in tissues and cells: a review (ab), G. Payling Wright, July, 170
 - initial depletion and subsequent recovery of spermatogonia of mouse after 20 r of gamma rays and 100, 300, and 600 r of x-rays (ab), E. F. Oakberg, Oct., 688
 - marrow transplantation after radiation: an experimental approach to the immunological complications (ab), K. A. Porter, Nov., 865
 - injurious effects.** See also Radiations, protection against; Radioactivity; Roentgen Rays; injurious effects; Thyroid, hyperthyroidism; Uranium
 - assessment of radiation dose due to fall-out, P. F. Gustafson, Aug., 282
 - comparison of effects of isologous, homologous, and heterologous hematopoietic tissues on post irradiation survival, Leon O. Jacobson and Eric L. Simmons, July, 6
 - human exposure to radiation (ab), Karl Z. Morgan, Sept., 514
 - management of advanced radiation proctitis (ab), Irving F. Chanin and Jack W. McElwain, Sept., 515
 - maximum permissible doses from point of view of radiation genetics (ab), H. Marquardt, Dec., 997
 - ocular effects of radiation (ab), David G. Cogan, Sept., 515
 - prochlorperazine and irradiation sickness (ab), M. J. Sloan, Sept., 515
 - radiation facts for public health officers (ab), Reynold F. Brown, Nov., 866
 - some experiences with irradiation injury, Joseph W. Ferreebee and E. Donnell Thomas, July, 1
 - some observations on treatment of post-irradiation hematopoietic depression in man by infusion of stored autogenous bone marrow (ab), N. B. Kurnick et al., Oct., 686
 - theory and practice of total-body irradiation in the dawn of the homograft era, James B. Dealy, Jr., July, 11
 - protection against**
 - emergency respiratory protection against radiological and biological aerosols (ab), H. Gerald Guyton et al., Sept., 516
 - industrial code as a tool in radiation protection (ab), Morris Kleinfeld and Melvin M. Udel, Sept., 516
 - National Committee on Radiation Protection and Measurements (NCRP), July, 122

RADIOACTIVITY

 - See also Radiations; Radium; Tritium; Uranium
 - course in clinical use of radioactive isotopes, Columbia University, Dec., 964
 - critical evaluation of external body surface counting in determination of cardiac output with radioactive isotopes (ab), Barbara L. Carter et al., Aug., 336
 - important non-biological contributions to radioisotopic diagnosis. The 1959 Arthur Erskine Memorial Lecture (ab), Ralph M. Kniseley, Aug., 336
 - isotopes course, Queens Hospital Center, N. Y., Dec., 964
 - measurement of cardiac output using a radioisotope and a scintillation counter (ab), W. A. Seldon et al., Aug., 336
 - place of radioisotopes in community hospital (ab), Frank R. Hendrickson, Oct., 686
 - radioactivity in foods (ab), Cyril L. Comar, Aug., 344
 - radiology and radioactive isotopes: postgraduate course, University of Kansas, Dec., 964
 - some biomedical problems of the nuclear age, Charles L. Dunham, Nov., 815
 - storage facilities for radioactive materials: practical homemade units, R. S. Clayton and H. A. DuBose, Jr., Oct., 615
 - technics for intracavitary treatment of bladder neoplasms with radioactive solutions contained in a rubber balloon (ab), G. M. Dyche and N. R. Mackay, Oct., 679

injurious effects. See Thyroid, cancer, Thyroid, hyperthyroidism; other subheads under Radioactivity

RADIOACTIVITY—CONT.

- radioboron**
—pathologic effects of thermal neutrons and the B^{10} (n, alpha) Li^7 reaction on skin (ab), S. W. Lippincott et al., Nov., 866
- radiocalcium**
—deposition and retention of fluoride and radiocalcium in growing rat (ab), R. C. Likins et al., Aug., 341
- dynamics of bone healing and its effect on skeletal system in vivo using strontium 85 and calcium 47 (ab), H. Koenig and John H. Heller, July, 168
- radiocarbon**
—autoradiographic detection in tissues of tubercle bacilli labeled with acetate-1-C¹⁴ (ab), A. Allegranza et al., Oct., 685
- oxidation to $C^{14}O_2$ and conversion to fatty acids of C¹⁴-glucose in livers of normal, fasted and x irradiated rats (ab), John G. Coniglio et al., Aug., 341
- radiocesium**
—physical aspects of cesium teletherapy source (ab), Charles S. Simons et al., Aug., 342
- physical considerations in design of facilities for uniform whole-body irradiation of man, Edward W. Webster, July, 19
- radiotherapy of carcinoma of larynx with radioactive cobalt, strontium, and cesium (ab), Juraj Körbler et al., Aug., 340
- radiochromium.** See also Radioactivity, radiophosphorus
—determination of Cr⁵¹-tagged erythrocyte survival in hemolytic anemia during therapy (ab), W. Scheitlin and P. Frick, Dec., 996
- quantitative determination of gastrointestinal bleeding using Cr⁵¹-labeled red blood cells (ab), G. Izak et al., Nov., 861
- radiochromium in determination of blood volume changes (ab), G. K. Daikos and D. A. Koutras, Sept., 513
- radioisotopic study of effects of irrigating fluid in transurethral prostatectomy (ab), Eldon M. Fillman et al., Sept., 512
- visualization of spleen in man by radioisotope scanning, James W. Winkelman, Henry N. Wagner, Jr., John G. McAfee and James M. Mozley, Sept., 465
- radiocobalt**
—absorption of radioactive B_{10} in patients with pernicious anemia after long-term oral and parenteral therapy (ab), P. J. Fouts et al., Dec., 995
- “all-shape” diaphragm for high-energy teletherapy units, Robert S. Landauer, Hyo Hyun Byun and Marion F. Magalotti, Nov., 806
- carcinoma of cervix uteri: treatment by supervoltage irradiation only: preliminary report (ab), H. M. Mellor, Nov., 858
- combined effects of ionizing radiation and high temperature on longevity of Sprague-Dawley rat (ab), L. D. Carlson and B. H. Jackson, Aug., 346
- disseminated demyelination of brain following Co⁶⁰ (gamma) radiation (ab), P. Lampert et al., July, 167
- eighteen cases of cancer of esophagus treated with telecobalt therapy (ab), G. Pisani and A. Malaspina, Oct., 678
- field-shaping device for use in short wavelength radiation therapy, S. Gordon Castiglione and C. Jules Rominger, Nov., 802
- general formula for axial depth dose derived from an empirical power law for tumor-air ratios, Paul M. Pfalzner, Sept., 438
- impressions of value of megavoltage irradiation in treatment of malignant neoplasia (ab), William Woods, Sept., 511
- kilocurie cobalt-60 therapy at Radiumhemmet: equipment, technic, and dose measurements (ab), S. Hultberg et al., Aug., 340
- megavoltage radiotherapy (ab), W. P. Holman and J. H. Martin, Sept., 511
- physical considerations in design of facilities for uniform whole-body irradiation of man, Edward W. Webster, July, 19
- radiation nephritis: review, case report, and animal study (ab), Bryan L. Redd, Jr., Nov., 804
- radiotherapy of carcinoma of larynx with radioactive cobalt, strontium, and cesium (ab), Juraj Körbler et al., Aug., 340
- relative biological effectiveness of Co⁶⁰ gamma rays and fission neutrons: lethal effects on 4-day chick embryo (ab), Howard H. Vogel, Jr., and Donn L. Jordan, Oct., 684
- rotational cobalt-60 teletherapy of vesical cancer (ab), Harry H. Browne and Ralph T. Odgen, Nov., 860
- some effects of roentgen rays (220 kvp) and gamma rays (Co⁶⁰) on chicken eggs (ab), M. K. Loken et al., Oct., 689
- subacute and late cardiovascular sequelae to low doses of gamma radiation (ab), Durwood J. Smith et al., Sept., 515
- surface back-scatter for rectangular fields in the quality range from a half-value layer of 1 mm. of Al to cobalt-60 gamma radiation (ab), M. L. Emmett, July, 167
- therapeutic principles in management of peptic ulcer. 4. Radiation therapy with cobalt 60 (ab), Charles H. Brown, Nov., 860
- use of horizontal rotation therapy with cobalt 60: physical basis and application in treatment of carcinoma of cervix (ab), Roger Mathieu, Aug., 339
- use of cobalt-60 beam unit for treatment of carcinoma of larynx (ab), R. C. Tudway and H. F. Freundlich, Dec., 995
- radiogold.** See also Effusions
—cancer palliation: extracorporeal pump perfusion of radioactive isotopes and nitrogen mustard as adjuncts to external radiation therapy (ab), Robert C. Hickey et al., July, 167
- carcinoma of uterine cervix: interstitial radioactive colloidal gold therapy of lateral pelvic nodes (ab), William S. Baker, Nov., 861
- intracavitary treatment of bladder with radioactive colloidal gold (ab), G. M. Dyche and N. R. Mackay, Oct., 679
- radioiodine.** See Thyroid
—alterations in iodine-131 distribution in rat after whole-body x irradiation (ab), D. D. Ulmer et al., Oct., 683
- clinical value of liver photoscanning (ab), Donald A. Fee and Sylvia O. Fedoruk, Nov., 862
- effect of triton on triolein I^{131} distribution in atherosclerotic rabbit tissues (ab), Sanford O. Byers et al., Sept., 513
- extent of nonspecific background localization of radioactive iodinated serum protein in human tumor and normal tissues (ab), Eugene D. Day and Ahsen Özarda, Oct., 683
- further experiences with the radioisotope renogram (ab), Chester C. Winter, Sept., 504
- hepatoscintigrams after injection of denatured human serum albumin marked with I¹³¹ (ab), B. Delaloye et al., Oct., 683
- I¹³¹-rose bengal test of liver function: a clinical evaluation (ab), Antonio M. Garcia et al., Oct., 682
- localization and retention of triolein I^{131} in various tissues of the atherosclerotic rabbit (ab), Leland Felton et al., Aug., 338
- localization of radioiodinated rat fibrinogen in transplanted rat tumors (ab), Eugene D. Day et al., Aug., 338
- radioactive Hypaque renogram: assessment of renal function with automatic external scintillation detection equipment (ab), Torsten Denneberg and Inge Hendenskog, Dec., 991
- results of radioisotope renogram and comparison with other kidney tests among hypertensive persons (ab), Chester C. Winter et al., Oct., 683
- use of I¹³¹-labeled fat in study of lipid handling in patients with coronary artery disease (ab), Robert H. Seller et al., July, 167
- vascular and extravascular exchange of I¹³¹ plasma proteins in the rat (ab), William C. Dewey, Aug., 338
- radioiron**
—quantitative method for measuring gastrointestinal absorption of iron (ab), John D. Bonnet et al., Dec., 996
- residual injury induced in erythropoietic system of rat by periodic exposure to x-radiation (studied with Fe⁵⁵) (ab), S. J. Baum and E. L. Alpen, Oct., 688
- studies on anemia of tumor-bearing animals. IV. Distribution of radioiron after extravascular injection of labeled erythrocytes (ab), Robert E. Greenfield et al., Nov., 863
- transfer of radioactive iron via placenta and accessory fetal membranes in rabbit (ab), J. Davies et al., Aug., 341
- radiokrypton**
—identification and quantification of left-to-right circulatory shunts: new diagnostic method utilizing inhalation of radioactive gas, Kr⁸⁵ (ab), Richard J. Sanders and Andrew G. Morrow, July, 150
- use of radioactive krypton and cardio-green dilution curves in detection of experimental portal-systemic venous shunts (ab), Robert T. L. Long et al., Nov., 863
- radiolithium**
—pathologic effects of thermal neutrons and the B^{10} (n, alpha) Li^7 reaction on skin (ab), S. W. Lippincott et al., Nov., 866
- radiomercury**
—visualization of renal parenchyma by scintiscanning with Hg²⁰³ Neohydrin, John G. McAfee and Henry N. Wagner, Jr., Nov., 820
- radio-oxygen.** See Oxygen
- radiopalladium**
—creation of deep cerebral lesions by small beta-ray sources implanted under guidance of fluoroscopic image intensifiers (as used in treatment of Parkinson's disease) (ab), Sean Mullan et al., Aug., 340
- radiophosphorus**
—cancer palliation: extracorporeal pump perfusion of radioactive isotopes and nitrogen mustard as adjuncts to external therapy (ab), Robert C. Hickey et al., July, 167
- effect of x-rays, grenz rays, thorium-X, and radioactive phosphorus on superficial mycotic agents (ab), Samuel Monash and Frank J. Roth, Jr., Aug., 348
- experimental intralaryngeal injection of radioisotopes (ab), Joel J. Pressman et al., Sept., 513
- liver blood flow in man: studies utilizing radioactive colloid. I. Normal values (ab), George L. Nardi et al., July, 168
- liver function in regenerating rat liver: Cr⁵¹ colloid uptake and bile flow (ab), George F. Leong et al., Sept., 514
- in vitro uptake of P^{32} by red blood cells in thyroid disease (ab), Helen E. A. Farran et al., Aug., 338
- radioactive phosphorus (P^{32}) studies in transplanted carcinoma. I. Incorporation of P^{32} measured by surface activity in Walker carcinoma and normal tissues of albino rats (ab), Donald B. Shahon, Aug., 338
- radioactive phosphorus (P^{32}) studies in transplanted mammary carcinoma. II. Total P^{32} turnover in transplanted mammary carcinoma, inflammatory granuloma, and normal stomach tissue of ZBC mice (ab), Donald B. Shahon, Aug., 339
- studies of radioactive phosphorus uptake in diagnosis of intraocular and cutaneous melanoma (ab), Kelvin Lidgett et al., Oct., 684
- transmission of P^{32} -labeled Candida albicans to newborn mice at birth (ab), Philip J. Kozinn et al., Nov., 861
- use of radioactive phosphorus in advanced carcinoma of prostate (ab), Vincent Vermooten et al., Aug., 339

RADIOACTIVITY—cont.**radioisotopes**

- myocardial extraction of Rb⁸⁵ in the rabbit (ab), Robert E. Mack et al., Sept., 514
- radioisodium**
- radioisodium clearance rates as indicators of femoral-head vascularity (ab), Patrick G. Laing and Albert B. Ferguson, Jr., Oct., 684
- radiostrontium**
- dynamics of bone healing and its effect on skeletal system in vivo using strontium 85 and calcium 47 (ab), H. Koenig and John H. Heller, July, 168
- effect of radioactive strontium on Escherichia coli OB-26 (ab), Henrik Weisglass et al., Dec., 996
- radiotherapy of carcinoma of larynx with radioactive cobalt, strontium, and cesium (ab), Juraj Körbler et al., Aug., 340
- 10-curie strontium-90 beta-ray therapy unit (ab), J. L. Haybittle, Nov., 861
- treatment of hemangiomas in children with strontium 90 (ab), E. Frey, Sept., 512

radiosulfur

- absorption and distribution of S³⁵O₂ inhaled through the nose and mouth by dogs (ab), Oscar J. Balchum et al., Oct., 685
- effects of 1 curie of sulfur 35 administered intravenously as sulfate to man with advanced chondrosarcoma (ab), J. Robert Andrews et al., Nov., 862

radioxenon

- employment of scanning in accurate localization of spinal cord tumors (ab), F. M. Lyass and B. I. Smagin, Nov., 862

radioyttrium

- implantation of pituitary with yttrium 90 in case of Cushing's syndrome (ab), G. M. Molinatti et al., Aug., 340

RADIOAUTOGRAPHY. See **Thyroid, hormones; Tritium; Tubercle Bacilli****RADIOCHROMATOGRAPHY.** See **Chromatography****RADIOGRAPHY.** See **Radiology and Radiologists; Roentgen Rays, apparatus; Roentgen Rays, diagnosis; Roentgenograms; under diseases, organs and regions****RADIOISOTOPES.** See **Radioactivity****RADIOLOGICAL SOCIETIES**

- American Roentgen Ray Society, Dec., 963
- Arizona Radiological Society, Aug., 296
- Association of University Radiologists, Aug., 296
- Brooklyn Radiological Society, Aug., 296
- Buffalo Radiological Society, Aug., 296
- Central Ohio Radiological Society, Sept., 475
- Cleveland Radiological Society, Dec., 963
- Colégio Brasileiro de Radiologia, Aug., 297
- Colorado Radiological Society, Sept., 475
- Detroit Roentgen Ray and Radium Society, Nov., 825
- East Tennessee Radiological Society, Dec., 964
- Eastern Conference of Radiology, Dec., 963
- Eastern Radiological Society, Oct., 643
- Florida Radiological Society, July, 125
- Florida West Coast Radiological Society, Dec., 963
- Idaho State Radiological Society, Aug., 296
- Indiana Roentgen Society, Oct., 643
- Iowa Radiological Society, Sept., 475
- Los Angeles Radiological Society, Oct., 643
- Los Angeles Radiological Society, Midwinter Conference, Dec., 963
- Maine Radiological Society, Aug., 296
- Nassau Radiological Society, July, 125
- New England Roentgen Ray Society, Oct., 643
- New Mexico Association of Radiologists and Pathologists, Nov., 825
- North Carolina Radiological Society, Dec., 963
- Northeastern New York Radiological Society, Nov., 825
- Ohio State Radiological Society, Aug., 296
- Oklahoma State Radiological Society, Sept., 475
- Oregon Radiological Society, Oct., 643
- Pacific Northwest Radiological Society, July, 125
- Pennsylvania Radiological Society, Aug., 296
- Philadelphia Roentgen Ray Society, July, 125
- Radiological Society of Greater Cincinnati, Dec., 963
- Radiological Society of Greater Kansas City, Sept., 475
- Radiological Society of Hawaii, Oct., 643
- Radiological Society of New Jersey, Sept., 475
- Radiological Society of Puerto Rico, Sept., 475
- Rocky Mountain Radiological Society, Nov., 825
- secretaries and meeting dates, July, 133; Oct., 646
- Section on Radiology, Connecticut State Medical Society, Nov., 825

Section on Radiology, Medical Society of the District of Columbia, Sept., 475**Sociedad Chilena de Radiología, Nov., 825****Sociedad de Radiología, Cancerología y Física Médica del Uruguay, Aug., 297****Sociedad Mexicana de Radiología, Nov., 825****Sociedad Venezolana de Radiología, Aug., 297****Society for Pediatric Radiology, Aug., 297; Dec., 964****South Carolina Radiological Society, Nov., 825****Wisconsin Radiological Society, Dec., 964****RADIOLOGICAL SOCIETY OF NORTH AMERICA****forty-sixth annual meeting**

- (ed), Theodore J. Wachowski, Sept., 467
- commercial exhibits, Nov., 830
- preliminary program, Oct., 624
- refresher courses: postgraduate instruction, Oct., 628

RADIOLOGY AND RADIOLOGISTS

See also **Radiological Societies**

- historical collection on radiography, Nov., 826

- the roentgenologist as a consultant (ed), Robert S. Sherman, Aug., 293
- what the mirror sees (ed), Robert P. Barden, Dec., 957

RADIOTHERAPY

- See also **Radiations, injurious effects; Radioactivity; Radium; Roentgen Therapy; under diseases, organs and regions; etc.**
- accuracy in radiotherapy, J. H. Martin, E. A. Evans and F. J. Anderson, Oct., 552
- measurement with chemical dosimetry of absorbed integral dose in large phantoms, L. H. Gevantman and J. H. Arndt, Oct., 599
- radiology and radioactive isotopes: postgraduate course, University of Kansas, Dec., 964
- radiotherapy in Great Britain (ed), Christian V. Cimmino, July, 124
- use of rad in clinical practice: a contribution to a symposium at the British Institute of Radiology, Nov. 20, 1958 (ab), C. W. Wilson, D. E. A. Jones and F. Ellis, July, 165

RADIUM

- See also **Radon**
- radium in human bone: the dose in microscopic volumes of bone (ab), R. E. Rowland and J. H. Marshall, July, 169
- therapies. See **Penis**

RADON

- employment of scanning in accurate localization of spinal cord tumors (ab), F. M. Lyass and B. I. Smagin, Nov., 862
- radiation dose to kidney of rat from inhaled radon (ab), Donald A. Morken, Nov., 865

- RAI, K. M.**: Carcinoma of the penis—radium treatment—assessment of results (ab), Oct., 680
- RANGANATHAN, C.** See **ANNAMALAI, AL.**
- RANSOM, CHARLES L.** See **LANDES, RALPH R.**

- RAO, V. S. V. PRATAPA**: Value of tomography in management of pulmonary tuberculosis (a review of 1,276 tomograms of 930 patients) (ab), Dec., 975

- RAPOPORT, BERNARD.** See **WECHSLER, HERMAN**

- RAPP, R.** See **UMIKER, W.**

- RATTI, A.**: Angiography and osteomedulligraphy in the diagnosis of bone tumors (ab), Aug., 325

- RAVENTOS, A.**, **GROSS, SIDNEY W.**, and **PENDERGRASS, EUGENE P.**: Sarcoma following radiation injury of skull (ab), Nov., 863

- HALE, JOHN,** and **CHAMBERLAIN, R. H.**: Two-hour uptake of iodine 131 by the thyroid, Sept., 446

- READ, RAYMOND C.**: Cause of death in cardioangiography (ab), Sept., 495

- RECALDE CUESTAS, LUIS A.** See **FIORITO, EDUARDO S.**

- RECKLINGHAUSEN'S DISEASE.** See **Neurofibromatosis**

- RECTUM**
- management of advanced radiation proctitis (ab), Irving F. Chanin and Jack W. McElwain, Sept., 515
- new design for barium rectal tube, Edwin L. Lame, Aug., 289

- RED BLOOD CELLS.** See **Erythrocytes**

- REDD, BRYAN L., JR.**: Radiation nephritis: review, case report and animal study (ab), Nov., 864

- REED, J. O., and LANG, E. F.**: Diaphragmatic hernia in infancy (ab), July, 156

- REED, JOEL E.** See **PARKER, GERALD W.**

- REEVES, ROBERT J.** See **SANDERS, AARON P.**

- REFLEX**
- growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status. Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932

- REFLUX**
- gastroesophageal. See **Stomach, physiology**
- pyloroanal. See **Ureters, reflux**

- REHMAN, I.** See **GILDENHORN, HYMAN L.**

- REINBERG, MARTIN.** See **KAY, JEROME HAROLD**

- REINHOLD, H., and SAUERBREY, R.**: A contribution to the congenital fusion of cervical vertebrae and to fatigue fracture of the spinous processes of the cervical spine (ab), Sept., 501

- REISS, H. E.**: The cervix in hysterosalpingography (ab), Aug., 328

- REIZENSTEIN, P. G., and NYBERG, W.**: Intestinal absorption of liver-bound radiovitamin B₁₂ in patients with pernicious anaemia and in controls (ab), Aug., 340

- RELATIVE BIOLOGICAL EFFECTIVENESS.** See **Neutrons**

- RENE, ROBERT M., and MELLINKOFF, SHERMAN M.**: Renal insufficiency after oral administration of a double dose of a cholecystographic medium. Report of two cases (ab), July, 155

- RENNER, ROBERT R.** See **BESSLER, WALTER T.**

- RENOGRAM.** See **Kidneys, physiology**

- RESEARCH
- International Congress of Radiation Research (Second), Dec., 964

- RESPIRATORY TRACT**
- See also **Bronchi; Lungs; Pharynx; etc.**

- emergency respiratory protection against radiological and biological aerosols (ab), H. Gerald Guyton et al., Sept., 516
- diseases

- fatal granulomatosis of respiratory tract (lethal midline granuloma—Wegener's granulomatosis) (ab), Irving M. Blatt et al., Oct., 650

- respiratory disease of mushroom workers: farmer's lung (ab), Louis S. Bringhurst et al., Oct., 659

- RETICULOSARCOMA.** See Sarcoma, reticulosarcoma
- RETROPERITONEUM.** See Abdomen; Pneumography
- RETRO-PNEUMOPERITONEUM.** See pneumography
- REYNOLDS, JACK, and BONTE, FREDERICK J.**: Kerosene pneumonitis (ab), Nov., 843
- REYNOLDS, LAWRENCE, FULTON, HAROLD, and SNIDER, JAMES J.**: Roentgenographic analysis of renal mass lesions (cysts and tumors) (ab), Sept., 503
- RIBS**
 - blind spots—first rib stresses. Presidential address delivered at the British Institute of Radiology on May 7, 1959 (ab), J. Blair Hartley, July, 160
 - limitation of hypertrophic spur formation by costovertebral articulations, Malcolm D. Jones, Oct., 584
 - tumors—huge osteoma of eleventh left rib (ab), Israel Steinberg, July, 160
- RICHARDS, A. J.**: Lymphoma of the G.I. tract (ab), Oct., 667
- RICKETS**
 - growth and development of bone, normal and abnormal, including a section on rickets, Howard J. Barnhard and Robert W. Geiss, Dec., 942
- RIDER, W. D.** See **LAMPERT, P.**
- RIFKIND, BASIL.** Death after cholecystography (ab), July, 156
- RIGGINS, R.** See **MARGOLIS, G.**
- RIGLER, LEO G.**, honored, Sept., 475
- RING, B. ALBERT**: Variations in the striate and other cerebral veins affecting measurements of the "venous angle" (ab), Oct., 655
- ROBBINS, LEONARD R.**: Experience with the in vitro erythrocyte uptake of ^{131}I -labeled *I*-triiodothyronine in a routine clinical laboratory (ab), Aug., 337
- ROBBINS, ROBERT**: Indications for radiation therapy in laryngeal cancer (ab), Nov., 857
- ROBERT PELVIS.** See Pelvis, abnormalities
- ROBERTSON, J. S.** See **LIPPINCOTT, S. W.**
- ROBINSON, P. K.** See **BULL, J. W. D.**
- ROCHE, MARCEL**: Elevated thyroidal ^{131}I uptake in the absence of goiter in isolated Venezuelan Indians (ab), Sept., 512
- ROCKNEY, ROBERT E.** See **WINTER, CHESTER C.**
- ROELSGAARD, G.** See **HEINLUND, SV.**
- ROELSGAARD, M.** See **STEINICKE, O.**
- ROENTGEN RAYS**
 - See also Body-Section Roentgenography; Cineroentgenography; Radiations; Radiotherapy; Roentgen Therapy
 - errors and omissions in construction of x-ray departments, W. S. Altman, Nov., 826
 - apparatus.** See also Roentgen Rays, physics; Roentgen Rays, protection against; Roentgen Therapy
 - adjustable mobile cassette holder for orthopedic operations (ab), E. Thyge Madsen, Sept., 502
 - automatic time-indicating device for use in radiography, Ivan M. Woolley, Nov., 809
 - device for timing cineangiograms using electrocardiogram (ab), Graeme Sloman and J. G. Davies, Aug., 318
 - dynapulse method of ultrashort (millisecond) timing and improved rapid impulse timing in medical roentgenography (ab), Robert B. Funch, July, 163
 - image intensifier. See Roentgen Rays, fluoroscopy
 - inexpensive device for rapid injection of contrast material, George C. Sutton and Howard C. Burkhead, Aug., 292
 - new design for barium rectal tube, Edwin L. Lame, Aug., 289
 - radiopaque drains: marking soft rubber drains for x-ray visualization (ab), C. F. Taylor and W. A. Smiley, Jr., Aug., 331
 - uranium x-ray grids, Michel Ter-Pogossian and Sven Ledin, Nov., 797
 - vascular injector with program selector, Kurt Amplatz, Dec., 955
 - diagnosis.** See also Roentgen Rays, apparatus; Roentgen Rays, injurious effects; Roentgen Rays, protection against; under diseases, organs and regions; etc.
 - diagnostic radiology course, University of California, San Francisco, Dec., 965
 - diagnostic roentgenology courses for general practitioners (letter to editor): comment on earlier letter by Dr. Felson, Robert S. Sherman, Aug., 297; reply by Dr. Felson, Aug., 298
 - radiology and radioactive isotopes: postgraduate course, University of Kansas, Dec., 964
 - significance of grid ratio in clinical radiography, Benjamin Felson and Otto E. W. Schmidt, Dec., 925
 - standardization of physical factors in radiographic exposures, Hyman L. Gildenhorn, I. Rehman, L. Pape and S. Baker, Aug., 262
 - effects.** See also Radiations, effects; Roentgen Rays, injurious effects
 - alterations in iodine-131 distribution in rat after whole-body x-irradiation (ab), D. D. Ulmer et al., Oct., 683
 - attempts to reproduce cirrhosis of liver in rats after total-body x-irradiation (ab), Harold W. Carroll et al., Aug., 346
 - bone-marrow transplantation and chemical protection in radiotherapy of mouse leukemia; preliminary communication (ab), Emanuel E. Schwartz, July, 169
 - delayed mortality of radiation chimeras: pathological and hematological study (ab), M. J. de Vries and O. Vos, Oct., 689
 - depletion of myelopoietic cells of irradiated rat (ab), E. V. Hulse, Aug., 347
 - early changes in lens epithelium after roentgen irradiation: a correlated light and electron microscopic study (ab), Theodor Wankle et al., Oct., 687
 - early effects of x-irradiation on specific renal functions in dogs (ab), H. J. Klapproth et al., Aug., 345
 - effect of bone-marrow culture *in vitro* on its protective action in irradiated mice (ab), Daniel Billen, Oct., 690
 - effect of post-irradiation bone-marrow treatment on rat spleen nucleic acids (ab), R. M. Iammarino and M. Benenbom, Oct., 690
 - effect of repeated whole-body x-irradiation on peripheral white blood cell count of rabbits (ab), Herbert B. Gerstner and Harry A. Gorman, Aug., 348
 - effect of roentgen irradiation of lymphocytes *in vivo* (ab), G. H. Hjort, Aug., 347
 - effect of whole-body x-irradiation on adrenal medulla and the hormones: adrenalin and noradrenalin (ab), McC. Goodall and Merritt Long, Oct., 689
 - effect of x-irradiation on hepatic carbohydrate enzymes in control and hypophysectomized rats (ab), George Weber and Antonio Cantero, Nov., 865
 - effect of x-rays, grenz rays, thorium-X, and radioactive phosphorus on superficial mycotic agents (ab), Samuel Monash and Frank J. Roth, Jr., Aug., 348
 - effects of irradiation upon revascularization and survival of skin autografts (ab), Sheldon O. Burman, Oct., 687
 - factors influencing radioprotective action of cysteine: effects in *Escherichia coli* due to drug concentration, temperature, time and pH (ab), Henry I. Kohn and Shirley E. Gunter, Oct., 690
 - gastrointestinal function during exposure to x-rays (ab), D. C. Jones and D. J. Kimeldorf, Oct., 687
 - initial depletion and subsequent recovery of spermatogonia of mouse after 20 r of gamma rays and 100, 300, and 600 r of x-rays (ab), E. F. Oakberg, Oct., 688
 - injury and repair following irradiation of salivary glands in male rats (ab), C. P. Cherry and A. Glucksmann, July, 169
 - irradiated blood-typing serum (ab), Robert M. Jamison, Nov., 865
 - late effects of fast neutrons versus x-rays in mice: nephrosclerosis, tumors, longevity (ab), Peter C. Nowell and Leonard J. Cole, Aug., 347
 - observations on chimpanzees after whole-body radiation and homologous bone-marrow treatment (ab), Harvey Rothberg et al., Oct., 687
 - oxidation to C^{14}O_2 and conversion to fatty acids of $\text{C}^{14}\text{-glucose}$ in livers of normal, fasted and x-irradiated rats (ab) John G. Conigli et al., Aug., 341
 - polydipsia and polyuria in x-irradiated rat (ab), Robert E. Kay and Cecil Entenman, Aug., 346
 - relationship between oxygen tension of inhaled gas and severity of acute radiation pneumonitis, William T. Moss and Francis J. Haddy, July, 55
 - residual injury induced in erythropoietic system of rat by periodic exposures to x-radiation (ab), S. J. Baum and E. L. Alpen, Oct., 688
 - resistance to whole-body x-irradiation in rats made tolerant to bacterial endotoxins (ab), B. W. Zweifach et al., Nov., 866
 - some effects of roentgen rays (220 kvp) and gamma rays (cobalt-60) on chicken eggs (ab), M. K. Loken et al., Oct., 689
 - some factors altering severity of acute radiation pneumonitis: variation with cortisone, heparin and antibiotics, William T. Moss, Francis J. Haddy and Sanford K. Sweany, July, 50
 - some factors involved in effect of x-irradiation on phosphatase activity of hematopoietic tissues (ab), Edwin M. Uyeki and Paul R. Salerno, Aug., 344
 - value of bone marrow and spleen cell suspensions for survival of lethally irradiated dogs (ab), Robert D. Sullivan et al., Aug., 345
 - weight, nitrogen and DNA content of small intestine mucosa of rats exposed to x-rays (ab), Robert E. Kay and Cecil Entenman, Aug., 347
 - x-irradiation of exteriorized or in situ intestine of rat (ab), M. F. Sullivan et al., Oct., 688
 - films.** See Roentgenograms
 - fluoscopy.** See also Cineroentgenography; Kidneys, calculi; etc.
 - creation of deep cerebral lesions by small beta-ray sources implanted under guidance of fluoroscopic image intensifiers (as used in treatment of Parkinson's disease) (ab), Sean Mullan et al., Aug., 340
 - factors influencing image quality in cineroentgenography (ab), J. A. Campbell et al., Dec., 991
 - image intensifier risk (letter to editor), F. W. Tranter, Sept., 476
 - peripheral arteriography utilizing image amplification and cinerarotgenography (ab), Robert I. Lowenberg and Robert M. Lowman, Nov., 844
 - pulsations in pulmonary arteries as observed with roentgenoscopic image amplification: observations in patients with isolated pulmonary valvular stenosis (ab), Brit B. Gay, Jr., and Robert H. Franch, Dec., 980
 - uses of fluoroscopy (ed), John McClenahan, Oct., 620
 - injurious effects.** See also Radiations, injurious effects; Roentgen Rays, protection against
 - effects of radiation on lungs in treatment of carcinoma of bronchus (ab), Thomas J. Deeley, Nov., 864

ROENTGEN RAYS, injurious effects—cont.

- experimental studies. See Roentgen Rays, effects
- gonadal exposure dose to adults in diagnostic radiography (ab), J. L. Wolfson and C. Garrett, Oct., 686
- growth disturbances of skeleton following radiation-induced infantile myxedema (ab), B. Freyer, Aug., 344
- image intensifier risk (letter to editor), F. W. Tranter, Sept., 476
- incidence of neoplasia after irradiation of thymic region (ab), Howard B. Latourette and Fred J. Hodges, Sept., 514
- leukemia and exposure to x-ray: 6 cases (ab), William C. Moloney, Aug., 342
- leukemia in children exposed to ionizing radiation (ab), Robert Murray et al., July, 168
- local bone-marrow changes secondary to therapeutic irradiation, Marguerite P. Sykes, Florence C. H. Chu and William G. Wilkerson, Dec., 919
- note on radiation telangiectases (ab), William B. Bean, Aug., 342
- osteonecrosis of mandible following roentgen therapy of oral neoplasia (ab), E. Gandofo and F. Mairo, Dec., 996
- preliminary assessment of gonad dose received by patients undergoing radiographic examination (ab), C. Biagini et al., Dec., 997
- prevention of radiation lung damage (ab), A. G. W. Whitfield and W. H. Bond, Aug., 343
- radiation fibrosis of pericardium, with cardiac tamponade; case report with postmortem studies and review of literature (ab), David W. Hurst, Aug., 343
- radiation hazards from medical and dental uses of x-ray (ab), James D. Douglas, Aug., 344
- radiation nephritis: review, case report, and animal study (ab), Bryan L. Redd, Jr., Nov., 864
- sarcoma following radiation injury of skull (ab), Antolin Raventos et al., Nov., 863
- studies on effect of radiation on hemopoietic system in patients suffering from malignant diseases (ab), Byomkes Basu et al., Nov., 864
- physics.** See also Roentgen Therapy
- calorimetric measurements of bone/tissue absorption ratios, Paul N. Goodwin, July, 112
- code of practice for x-ray measurements. Prepared by the Hospital Physicists' Association (ab), Nov., 859
- physical considerations in design of facilities for uniform whole-body irradiation of man, Edward W. Webster, July, 19
- problems of developing a film method for regularly checking radiation output of x-ray machines, Leonard Stanton, Sept., 416
- right-angle scatter for x-ray beams of 0.14 mm. to 2.5 mm. copper h.v.l., Aaron P. Sanders, C. W. Chin, K. W. Sharpe, Robert J. Reeves and George J. Baylin, Oct., 595
- protection against.** See also Roentgen Rays, effects
- adjustable shielding device for use in diagnostic roentgenology, Bernard S. Epstein, Sept., 458
- minimizing the genetic hazard of medical radiation (ab), George Cooper, Jr., Oct., 686
- observations on dose from dental x-ray procedures, with note on radiography of nasal bones (ab), G. M. Ardran and H. E. Crooks, July, 169
- reduced gonadal irradiation in prenatal chest roentgenographic examinations (ab), Lewis E. Etter et al., Dec., 997
- standardization of physical factors in radiographic exposures, Hyman L. Gildehorn, I. Rehman, L. Pape and S. Baker, Aug., 262
- technic.** See also Bone-Section Roentgenography; Cineroentgenography; Pneumography; Pyelography; Roentgen Therapy; etc.
- magnified roentgenography in rheumatology (ab), José V. Rosa, Dec., 988
- technicians.** See American Registry of X-Ray Technicians
- ROENTGEN THERAPY**
- See also Cancer, radiotherapy; Dosimeters and Dosimetry; Radiotherapy; Roentgen Rays, injurious effects; under diseases, organs and regions
- field-shaping device for use in short wavelength radiation therapy, S. Gordon Castigliano and C. Jules Rominger, Nov., 802
- physical aspects of roentgen therapy using wedge filters. I. Some new copper wedges and their applications (ab), M. Cohen, Aug., 333
- physical aspects of roentgen therapy using wedge filters. II. Analysis of wedge field dosimetry (ab), M. Cohen, Aug., 333
- physical aspects of roentgen therapy using wedge filters. III. Effect on wedge fields of variations in kv and other factors (ab), M. Cohen and J. E. Burns, Aug., 333
- physical aspects of roentgen therapy using wedge filters. IV. A new wedge principle using graphite and tin (ab), M. Cohen, Aug., 333
- quantitative and qualitative evaluation of skin erythema. I. Technic of measurement and description of reaction, Florence C. H. Chu, John T. Conrad, Harry N. Bane, Arvin S. Glicksman and James J. Nickson, Sept., 406
- quantitative and qualitative evaluation of skin erythema. II. Clinical study in patients on a standardized irradiation schedule, Arvin S. Glicksman, Florence C. H. Chu, Harry N. Bane and James J. Nickson, Sept., 411
- theory and practice of total-body irradiation in the dawn of the homograft era, James B. Dealy, Jr., July, 11

ROENTGENOGRAMS

- method for direct copy of radiographs (ab), Herman Wechsler et al., July, 164
- quick finding of films in darkroom (letter to editor), Alfred J. Niedermayer, Dec., 965
- speculation on value of right or left indicator on radiograph (ab), Morris Owen, Dec., 991

RÓKA, J., and HOLCZINGER, L.: Perforation of the stomach due to retroperitoneal neurinoma: case report (ab), Aug., 320

ROMINGER, C. JULES. See CASTIGLIANO, S. GORDON ROSA, JOSÉ VITOR: Magnified roentgenography in rheumatology (ab), Dec., 988

ROSE-BENGAL TEST. See Liver, function tests

ROSENOER, VICTOR M., and MICHELL, R. C.: Skeletal changes in Wilson's disease (hepato-lenticular degeneration) (ab), Oct., 673

ROSENUKIST, R. C., SMALL, C. S., and DEEB, P. H.: Unusual manifestations of gout (ab), July, 157

ROSENQVIST, HUGO, and SALTZMAN, GEORG-FREDRIK: Sacrococcygeal and vertebral chordomas and their treatment (ab), July, 165

—See EDLING, N. P. G.

ROSENTHAL, WILLIAM S. See CANTER, JEROME W.

ROSNER, MARTIN C., and BOSNIAK, MORTON A.: Diagnosis of left-sided subphrenic abscess (ab), Sept., 500

ROSS, JAMES A.: One thousand retrograde pyelograms with manometric pressure records (ab), Sept., 504

ROSS, S. WILLIAM. See BEARD, ALICE GAMBLE

ROSSETTI, M.: Significance of the esophagogastric angle for the physiology and pathophysiology of the cardia (ab), Oct., 667

ROSSI, L. See BOBBIO, A.

ROSTECK, K.: Deformity of the duodenal bulb caused by atypical localization of the papilla of Vater (ab), Sept., 496

ROSWIT, BERNARD. See UNGER, SOL M.

ROTATION THERAPY. See Radioactivity, radioisobalt

ROTH, FRANK J., JR. See MONASH, SAMUEL

ROTH, JAMES J. A., VALDES-DAPENA, A., STEIN, G. N., and ROCKUS, H. L.: Toxic megacolon in ulcerative colitis (ab), July, 154

ROTHBERG, HARVEY, BLAIR, EUGENE B., GOMEZ, ALPHONSE C., and McNULTY, WILBUR: Observations on chimpanzees after whole-body radiation and homologous bone marrow treatment (ab), Oct., 687

ROWE, CAROLINE W.: Pneumocystis carinii pneumonia, Aug., 257

ROWLAND, R. E., and MARSHALL, J. H.: Radium in human bone: the dose in microscopic volumes of bone (ab), July, 169

ROWLING, J. THOMPSON: Prepyloric septum: a rare anomaly (ab), July, 152

RUBENFELD, SIDNEY, KOHN, ANTHONY, LOWENTHAL, MARTIN, MITCHELL, NATHAN, and BRODIE, S. STEPHEN: Rational dosage in ^{131}I treatment of hyperthyroidism, Aug., 276

—**LOWENTHAL, MARTIN, KOHN, ANTHONY, MITCHELL, NATHAN, and BRODIE, S. STEPHEN**: Radioiodine in the treatment of hyperthyroidism. A seven-year evaluation (ab), Aug., 337

RUBIDIUM, RADIOACTIVE. See Radioactivity, radiorubidium

RUBIN, PHILIP. See ANDREWS, J. ROBERT

—See BLATT, IRVING M.

RUDMAN, IRVING, and OTTO, MERLE L.: A case for routine operative cholangiography (ab), Nov., 849

RUTLEDGE, FELIX, DODD, GERALD D., JR., and KASILAG, FRANCISCO B., JR.: Lymphocysts: a complication of radical pelvic surgery (ab), July, 161

RYAN, JAMES: The reinforced Graham-Cole test (ab), Oct., 672

RYCKEWAERT, A. See de SEZE, S.

S**SACROCOCCYGEAL REGION**

- tumors
- sacrococcygeal and vertebral chordomas and their treatment (ab), Hugo Rosenqvist and Georg-Fredrik Saltzman, July, 165
- sacrococcygeal teratoma of fetus with special emphasis on prenatal diagnosis by radiology (ab), Vishnu Sarma and N. Nemirala, Sept., 503

SACRUM

—congenital sacral anomalies in children (ab), E. Durham Smith, Oct., 674

SALERNO, PAUL R. See UYEKI, EDWIN M.

SALIVARY GLANDS

—injury and repair following irradiation of salivary glands in male rats (ab), C. P. Cherry and A. Glucksmann, July, 169

SALTZMAN, GEORG-FREDRIK: Angiographic demonstration of the posterior communicating and posterior cerebral arteries. II. Pathologic angiography (ab), July, 141

Circulation through the anterior communicating artery studied by carotid angiography (ab), July, 142

Preliminary experiences with peroral cholangraphy (ab), Aug., 323

—See KLEFENBERG, GÖSTA

—See ROSENQVIST, HUGO

- SALVIONI, DANIELE, and GOLDIN, RALPH R.:** Intralobar pulmonary sequestration (ab), Dec., 974
- SALZMAN, E., SPURCK, R. P., and WATKINS, D. H.:** X-ray diagnosis of bile duct calculi (ab), Sept., 498
- SAMIY, E.:** Echinococcus disease of the calvarium (ab), July, 158
- SAMMONS, BILLY P.:** See LYONS, HAROLD A.
- SAMTER, THOMAS G., VELLIOS, FRANK, and SHAFER, WILLIAM G.:** Neurilemmoma of bone. Report of 3 cases with a review of the literature, Aug., 215
- SAMUEL, ERIC:** Operative cholangiography (ab), Aug., 324
- Use of contrast media in the investigation of the acute abdomen (ab), Dec., 992
- and BEREZOWSKI, A.: Radiological diagnosis of the blocked gallbladder (ab), Aug., 324
- SANDERG, HERSCHEL:** See SELLER, ROBERT H.
- SANDERS, AARON P., CHIN, C. W., SHARPE, K. W., REEVES, ROBERT J., and BAYLIN, GEORGE J.:** Right-angle scatter for x-ray beams of 0.14 mm. to 2.5 mm copper h.v.l. Oct., 595
- SANDERS, RICHARD J., and MORROW, ANDREW G.:** Identification and quantification of left-to-right circulatory shunts. A new diagnostic method utilizing the inhalation of a radioactive gas, Kr⁸⁵ (ab), July, 150
- SANTINO, A. See BRUNELLI, B.**
- SANTY, P., PAPILLON, J., MARION, P., BRET, J., PINET, F., and CHASSARD, J. L.:** Radiologic study of stenosis of the aortic isthmus: contribution of angiography. A study of 116 cases (ab), Oct., 603
- SARCOMA**
See also under organs and regions chondrosarcoma
— effects of 1 curie of sulfur 35 administered intravenously as sulfate to a man with advanced chondrosarcoma (ab), J. Robert Andrews et al., Nov., 862
- etiology
— sarcoma following radiation injury of skull (ab), Antolin Raveitos et al., Nov., 863
- leiomysarcoma. See Sarcoma, myosarcoma
- lymphosarcoma
— primary lymphosarcoma of lung (ab), Emmett R. Hall, Jr., and Brian Blades, Oct., 659
- primary lymphosarcoma of stomach (ab), Charles C. Wolferth, Jr. et al., Oct., 678
- roentgen features of diffuse lymphosarcoma of colon, Bernard S. Wolf and Richard H. Marshak, Nov., 733
- myosarcoma
— leiomysarcoma of stomach: 10 cases (ab), Peter M. Masley, Aug., 320
- leiomysarcoma of uterus with unusual metastases (ab), Ellery T. Drake and Glen D. Dobben, July, 165
- osteosarcoma. See Bones, tumors
- reticulosarcoma
— radiation treatment of primary bone tumors (osteosarcoma and reticulosarcoma) (ab), F. Baclesse, Aug., 332
- SARGENT, JAMES W.:** See SAUTER, KENDALL E.
- SARKAS, A.:** See MALAMOS, B.
- SARMA, VISHNU, and NEMIRAJA, N.:** Sacro-coccygeal teratomas of the foetus with special emphasis on prenatal diagnosis by radiology (ab), Sept., 503
- SAUDAN, Y.:** Radiologic aspects of some sternal lesions (ab), Aug., 326
- SAUERBREY, R.:** See REINHOLD, H.
- SAUTER, KENDALL E., and SARGENT, JAMES W.:** Spontaneous rupture of an intrarenal arteriovenous fistula: report of a case (ab), Nov., 855
- SCANNING:** See Counters and Counting
- SCAPHOID BONE, CARPAL**
— diagnostic considerations in fractures of carpal scaphoid (ab), I. Kandel et al., Nov., 852
- SCATLIFF, J. H.:** See MEYER, E. C.
- SCHEED, DONALD P.**
- SCHAAP, J.:** See WILHELM, G.
- SCHALL, LEROY A.:** Cancer of the larynx: indications for treatment (ab), Nov., 856
- SCHATZKI, STEFAN C.:** Whipple's disease: roentgenologic findings, including those of an eight-year remission, Dec., 915
- SCHAUB, F.:** See TSAKIRIS, A.
- SCHEEF, ALAN C.:** See CHU, FLORENCE C. H.
- SCHEFER, SAUL:** See KAUFMAN, S. A.
- SCHEHL, R.:** See LONGINE, F.
- SCHEITLIN, W., and FRICK, P.:** Determination of Cr⁶¹-tagged erythrocyte survival in hemolytic anemia during therapy (ab), Dec., 996
- MARTZ, G., and BRUNNER, U.: Acute renal failure following intravenous pyelography in multiple myeloma (ab), Nov., 855
- SCHICK, ROBERT W.:** See McDOWELL, FLETCHER H.
- SCHISTOSOMIASIS**
— pulmonary "coin" lesion of unusual pathology, R. Paul, July, 118
- pulmonary schistosomal arteriovenous fistulas producing a new cyanotic syndrome in Manson's schistosomiasis (ab), J. Lopez de Parra et al., Aug., 312
- SCHLACHTEN, LAWRENCE:** See ANDREWS, J. ROBERT
- SCHLAEGER, RALPH, LEMAY, MARJORIE, and WERMER, PAUL:** Upper gastrointestinal tract alterations in adenomas of the endocrine glands, Oct., 517
- SCHLITTER, J.:** See HUNDESHAGEN, H.
- SCHLUNGBAUM, W.:** Roentgen diagnosis of acoustic neuroma (ab), Aug., 308
- SCHMIDT, OTTO E. W.:** See FELSON, BENJAMIN
- SCHMITZ, ALFRED L.:** Changes in the ambient wing cistern secondary to intracranial masses (ab), July, 143
- and HAVESEN, SAMUEL B.: The roentgen diagnosis of eighth nerve tumors, Oct., 531
- SCHMITZ, HERBERT E., SMITH, CHARLES J., and PETHERSTON, WILLIAM C.:** Effects of preoperative irradiation on adenocarcinoma of the uterus (ab), Sept., 508
- SCHNECK, HERMAN:** See ARNHEIM, ERNEST E.
- SCHNEIDER, HAROLD:** See COLLIER, FRED C.
- SCHOBINGER, ROBERT:** Transspinal angiography of the inferior vena cava (ab), July, 146
- SCHOLTE, H. G.:** See HUNDESHAGEN, H.
- SCHORR, S., and AYALON, D.:** Intercostal lung bulging, an early roentgen sign of emphysema in children, Oct., 544
- SCHÜLLER-CHRISTIAN SYNDROME**
— histiocytosis X: report of case of Hand-Schüller-Christian disease, Allen E. Green, Jr., and Robert A. Flaherty, Oct., 572
- SCHULL, WILLIAM J.:** See BLATT, IRVING M.
- SCHUMACHER, O. PETER, and KING, JOHN W.:** Thyroid function measured by in vitro erythrocyte uptake (red-cell uptake) of ¹³¹I-labeled l-triiodothyronine. Results of 133 determinations (ab), Nov., 860
- SCHVARCZ, J.:** Autotomography of the fourth ventricle and the floor of the third ventricle (ab), Oct., 655
- SCHWARTZ, EMANUEL E.:** Bone marrow transplantation and chemical protection in the radiotherapy of mouse leukemia (preliminary communication) (ab), July, 169
- SCHWARTZ, R., PLATO, and HEATH, ARTHUR L.:** Preliminary findings from a roentgenographic study of the influence of heel height and empirical shank curvature on osteo-articular relationships in the normal female foot (ab), July, 161
- SCHWARTZ, SOLOMON:** See STERNHILL, VERNON
- SCHWARTZ, ENRIQUE:** Hemophilic pseudotumor of the ilium, Nov., 795
- Puncture of the thoracic lymph duct with chylothorax: a rare complication of aortography, Aug., 248
- Radiologic contributions to the diagnosis of histoplasmosis (ab), Oct., 659
- Trichobezoar and gastric ulcer (ab), Dec., 985
- SCHWARZ, GERHART S.:** Late appearance and evolution of a cortical defect in a boy with delayed puberty (ab), Nov., 853
- SCIENTIFIC PAPERS**
— the editor's responsibility (ed), Nov., 822
- SCIINTILLATION COUNTER:** See Counters and Counting
- SCLERODERMA**
— colon in systemic sclerosis (scleroderma) (ab), William T. Messaros, Oct., 671
- SCLEROSIS:** See Arteriosclerosis; Osteosclerosis; Scleroderma
- SCOTT, D. B.:** See DUGGAN, H. E.
- SCOTT, NORMAN M., Jr.:** Experiences with the "vigorous diagnostic approach" to upper gastrointestinal hemorrhage (ab), Aug., 319
- SCOTT, R. KAYE:** The evolution of a superficial x-ray therapy technique for carcinoma of the skin (ab), Dec., 994
- SCOTT, WENDELL G., LOITMAN, BERNARD S., and SWANSON, HAROLD A.:** Problems for the radiologist in diagnosis of gastric ulcer (ab), Dec., 985
- SCOW, R. O.:** See LIKINS, R. C.
- SEAMAN, WILLIAM B.:** See JARVIS, J. LUTHER
- SEASONS**
— seasonal distribution of initial appearance of postnatal ossification centers in hand and wrist of undernourished children (ab), Samuel Dreizen et al., Nov., 852
- SELDON, W. A., HICKIE, J. B., and GEORGE, E. P.:** Measurement of cardiac output using a radioisotope and a scintillation counter (ab), Aug., 336
- SELF, CAMERON L.:** See SHUTTLEWORTH, JOHN S.
- SELLA TURICA**
— hyperparathyroidism with pseudoerosion of sella turica (ab), Jack Edelen and William Nagle, July, 143
- radiological changes and clinical incidence of endocrine lesions in sellar and parasellar tumors, H. F. W. Pribram and G. F. Swann, Dec., 877
- SELLER, ROBERT H., BRACHFIELD, JONAS, SANDBERG, HERSCHEL, and BELLET, SAMUEL:** Use of ¹³¹I-labelled fat in the study of lipid handling in patients with coronary artery disease (ab), July, 167
- SELTZER, HOLBROOK E.:** See BLATT, IRVING M.
- SEMILUNAR CARTILAGES**
— arthrography in diagnosis of meniscal injuries of knee: correlation of roentgenographic, clinical, and operative findings (ab), Vernon C. Turner and Flora B. Wurtz, Aug., 327
- SENDLER, HELEN:** Arthritis of hip complicating osteitis pubis (ab), Oct., 674
- SERIALOGRAPHY:** See Brain, blood supply
- SEX**
— growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carrell P. Horton, Dec., 932

- de SÈZE, S., RYCKEWAERT, A., LEVERNIER, J., and MARTEAU, R.:** Radiological lesions in gout (ab), Nov., 852
- SHAFER, WILLIAM G.** See SAMTER, THOMAS G.
- SHAHIDI, NASROLLAH T., and DIAMOND, LOUIS K.:** Skull changes in infants with chronic iron-deficiency anemia (ab), Nov., 842
- SHAHON, DONALD B.:** Radioactive phosphorus (P^{32}) studies in transplanted carcinoma. I. Incorporation of P^{32} measured by surface activity in Walker carcinoma and normal tissues of albino rats (ab), Aug., 338
- Radioactive phosphorus (P^{32}) studies in transplanted carcinoma. II. Total P^{32} turnover in transplanted mammary carcinoma, inflammatory granuloma, and normal stomach tissue of ZBC mice (ab), Aug., 339
- SHALKOWSKI, R. A.** See CAMPBELL, J. A.
- SHANBROM, EDWARD, and ZHEUTLIN, NORMAN:** Radiographic studies of the lymphatic system (ab), Aug., 318
- SHAPIRO, JEROME H., STERN, WILHELM Z., and JACOBSON, HAROLD G.:** Oral cholecystography: a review of techniques (ab), Oct., 672
- See JACOBSON, HAROLD G.
- SHARP, MARY E.** See MENDL, KARL
- SHARPE, K. W.** See SANDERS, AARON P.
- SHEDD, DONALD P., SCATLIFF, JAMES H., and KIRCHNER, JOHN A.:** A cineradiographic study of postrespiratory alterations in oropharyngeal physiology (ab), Nov., 843
- SHEEHAN, SHEILA.** See MEYER, JOHN S.
- SHERMAN, ROBERT S.** See POCHACZEWSKY, RUBEM
- SHIELDING DEVICE.** See Roentgen Rays, protection against
- SHIP, ARTHUR G., GLICK, ARTHUR H., and GOLDENSON, ALVIN B.:** Incarceration of the stomach in an inguinal hernia. Report of a case (ab), Nov., 847
- SHOES**
- preliminary findings from a roentgenographic study of influence of heel height and empirical shank curvature on osteo-articular relationships in normal female foot (ab), R. Plato Schwartz and Arthur L. Heath, July, 161
- SHORE, LEAH.** See WOHL, GEORGE T.
- SHOULDER**
- cervical diskography: a contribution to etiology and mechanism of neck, shoulder, and arm pain (ab), Ralph B. Cloward, Oct., 674
- SHUFRO, ARTHUR S.** See FEIGELSON, HOWARD H.
- See GAGLIARDI, RAYMOND A.
- SHUTTLEWORTH, JOHN W., SELF, CAMERON L., and PERSHING, HUGH S.:** Tracheopathia osteoplastica (ab), Dec., 977
- SICKLE CELLS.** See Anemia, sickle-cell
- SIDBURY, J. B., Jr.** See HADDAH, HESKEL M.
- SIDEROPENIA.** See Anemia, hypochromic
- SIDEROSIS**
- See also Hemochromatosis
 - splanchnic siderosis: rare case (ab), G. Carta and F. Pirastu, Dec., 993
- SIEBER, WILLIAM K.** See BASS, LEE W.
- See GIRDANY, BERTRAM R.
- SIEGEL, SIDNEY.** See ANDREWS, J. ROBERT
- SIGMOID**
- pneumatosis cystoides intestinales (ab), Elaine Epstein, Aug., 321
- SILBERMAN, Z.** See KESSLER, I.
- SILVA, ALFREDO.** See KOCH, WALTER
- SILVERMAN, FREDERIC N.** See CURRARINO, GUIDO
- SIMONS, ERIC L.** See JACOBSON, LEON O.
- SIMON, MILDRED B.** See PRESSMAN, JOEL J.
- SIMONS, CHARLES S., LAMPE, ISADORE, and LATOURETTE, HOWARD B.:** The physical aspects of a cesium teletherapy source (ab), Aug., 342
- SIMONTON, J. H.** See WOODRUFF, J. H., Jr.
- SIMPSON, S. M.** See QUASTLER, H.
- SINCLAIR, J. D.** See DYSON, N. A.
- SINGLETON, EDWARD B., McNAMARA, DAN G., and COOLEY, DENTON A.:** Radiologic features of isolated ventricular septal defects (ab), Sept., 492
- SINHA, KAMPTA, P.** See URICCHIO, JOSEPH F.
- SINUS**
- aortic. See Aneurysm, aortic
 - of Salvalva. See Aneurysm, aortic
- SINUSES, PARANASAL**
- malignancies of paranasal sinuses (ab), William G. Hemeway and John R. Lindsay, Sept., 506
- SISSON, J.** See DAVIES, J.
- SITURALA, M., ERÄMAA, E., and TAPIOVAARA, J.:** Pernicious anemia and gastric carcinoma (ab), July, 153
- SKELETON.** See Bones
- SKIN**
- effect of irradiation upon revascularization and survival of skin autografts (ab), Sheldon O. Burman, Oct., 687
 - pathologic effects of thermal neutrons and the B^{10} (α , alpha) Li reaction on skin (ab), S. W. Lippincott et al., Nov., 866
 - quantitative and qualitative evaluation of skin erythema. I. Technique of measurement and description of reaction. Florence C. H. Chu, John T. Conrad, Harry N. Bane, Arvin S. Glickman and James J. Nickson, Sept., 406
 - quantitative and qualitative evaluation of skin erythema. II. Clinical study in patients on a standardized irradiation schedule. Arvin S. Glickman, Florence C. H. Chu, Harry N. Bane and James J. Nickson, Sept., 411
- CANCER**
- evolution of superficial x-ray therapy technic for carcinoma of skin (ab), R. Kaye Scott, Dec., 994
 - color. See Negroes
 - diseases
 - place of grenz radiation in dermatologic practice (ab), Victor H. Witten, Dec., 993
- TUMORS**
- studies of radioactive phosphorus uptake in diagnosis of intraocular and cutaneous melanoma (ab), Kelvin Lidgett et al., Oct., 684
- SKINNER, G. B.** See DUNBAR, J. S.
- SKOKAN, Z. V.:** Acute pneumocholecystitis (ab), Dec., 987
- SLOAN, ROBERT D.:** Roentgenologic evaluation of mesenteric small intestinal obstruction: a statistical analysis (ab), Oct., 669
- SLOCUMB, CHARLES H.** See AVILA, ROGELIO
- SLOMAN, GRAEME, and DAVIES, J. G.:** Device for timing cineangiograms using the electrocardiogram (ab), Aug., 318
- and JEFFERSON, KEITH: Cine-angiography of the coronary circulation in living dogs (ab), Nov., 845
- SMAGIN, B. I.** See LYASS, F. M.
- SMALL, C. S.** See ROSENFELD, R. C.
- SMALL, MAURICE J.:** Late progression of pulmonary coccidioidomycosis (ab), Sept., 489
- SMILEY, W. A., Jr.** See TAYLOR, C. F.
- SMITH, CHARLES J.** See SCHMITZ, HERBERT E.
- SMITH, DAVID W., BLIZZARD, ROBERT M., and HARDISON, HAROLD E.:** Idiopathic hypercalcemia. Case report with assays of vitamin D in the serum (ab), July, 158
- SMITH, DURWOOD J., PARKER, ROBERT G., HANNA, CALVIN, and CURLEY, HENRY E.:** Subacute and late cardiovascular sequelae to low doses of gamma radiation (ab), Sept., 515
- SMITH, E. DURHAM:** Congenital sacral anomalies in children (ab), Oct., 674
- SMITH, HOWARD W.:** Hemangioma of the jaws. Review of the literature and report of a case (ab), Sept., 485
- SMITH, JAMES R.** See BLOCKER, T. G., Jr.
- SMITH, ROBERT C.** See ENGELS, EDWARD P.
- SMITH, ROBERT R.** See JUDE, JAMES R.
- SMOKING.** See Tobacco
- SNIDER, JAMES J.** See REYNOLDS, LAWRENCE
- SNODGRASS, RICHARD M.** See DREIZEN, SAMUEL
- SOCIO-ECONOMICS**
- growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
- SODIUM, RADIOACTIVE.** See Radioactivity, radiosodium
- SÖDERBERG, G.** See LÄGERGREN, C.
- SOVÉNYI, E.:** Experiences with retroperitoneal air insufflation (retroperitoneoperitoneum) (ab), July, 164
- SOFT TISSUES**
- arteriography of bone tumors and of soft parts of extremities (ab), S. Chiappa et al., Sept., 499
 - case study of peculiar soft-tissue and bony changes in association with thyroid disease (ab), Lionel R. King et al., Aug., 330
- SOLAN, M. J.:** Prochlorperazine and irradiation sickness (ab), Sept., 515
- SOSMAN, M. C.** See PALUBINSKAS, A. J.
- SOTER, CONSTANTINE S., and GILMORE, JOHN H.:** Roentgenologic study of the vascular markings of the skull (ab), Nov., 841
- de SOUSA, AYRES, and ALVARES, LUIZ:** Microangiographic study of the vasa vasorum of the thoracic aorta, July, 91
- SOUTHARD, MARTHA E.** See CARTER, BARBARA L.
- SOUTHWOOD, W. F. W.** See POST, H. W. A.
- SOWERBUTTS, J. G.:** Some uses for presacral oxygen insufflation (ab), Aug., 330
- SPEED, TERRELLE.** See WATSON, A. R.
- SPERMATOGENESIS.** See Spermatozoa
- SPERMATOZOA**
- initial depletion and subsequent recovery of spermatozoa of mouse after 20 r of gamma rays and 100, 300, and 900 r of x-rays (ab), E. F. Oakberg, Oct., 688
- SPHENOID BONE**
- roentgen determination of time of closure of sphenoparietal synchondrosis, George L. Irwin, Sept., 450
- SPHINCTERS.** See Colon
- SPIES, TOM D.** See DREIZEN, SAMUEL
- SPILLANE, JOHN D.** See WELLS, C. E. C.
- SPINAL CANAL ROENTGENOGRAPHY**
- See also Spinal Cord, blood supply
 - gas myelographic studies in syringomyelia (ab), Gösta Klefengberg and Georg Fredrik Saltzman, July, 161
 - unusual myelographic pattern of arachnoiditis, Richard B. Mulvey, Nov., 778
- SPINAL CORD**
- See also Meninges
 - mobility of cervical spinal cord under normal conditions (ab), Jan Jirout, Sept., 502
 - blood supply
 - contrast-medium injury to spinal cord: role of altered circulatory dynamics (ab), G. Margolis et al., Aug., 328

- SPINAL CORD—cont.**
- tumors
 - angioma of cervical spinal cord; case, Leon Morris, Nov., 785
 - angiomas of spinal cord (ab), G. Lombardi and F. Migliavacca, Oct., 675
 - atlanto-occipital fusion, basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningiocele, and von Recklinghausen's disease, Arthur Zacks, Aug., 223
 - employment of scanning in accurate localization of spinal cord tumors (ab), F. M. Lyass and B. I. Smagin, Nov., 862
 - SPINE**
 - See also Atlas and Axis; Sacrococcygeal Region; Sacrum; Spinal Cord
 - cervical spinal canal in syringomyelia (ab), C. E. C. Wells et al, Oct., 657
 - intertransverse processes of spine (ab), Giuseppe Pedoja, Dec., 989
 - limitation of hypertrophic spur formation by costovertebral articulations, Malcolm D. Jones, Oct., 584
 - abnormalities
 - atlanto-occipital fusion, basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningiocele, and von Recklinghausen's disease, Arthur Zacks, Aug., 223
 - contribution to congenital fusion of cervical vertebrae and to fatigue fracture of spinous processes of cervical spine (ab), H. Reinhold and R. Sauerbrey, Sept., 501
 - curvature
 - infantile structural scoliosis (ab), J. I. P. James et al, Sept., 301
 - osteoid osteoma of spine: cause of backache and scoliosis in children and young adults, Robert H. Freiberger, Aug., 232
 - cysts
 - intradural arachnoid cyst of lumbar spinal canal (ab), R. O. Murray, Aug., 328
 - diseases
 - significance of single large films of entire spine for diagnosis of spinal disease (ab), W. Leger, Aug., 326
 - fractures
 - contribution to congenital fusion of cervical vertebrae and to fatigue fracture of spinous processes of cervical spine (ab), H. Reinhold and R. Sauerbrey, Sept., 501
 - intervertebral disks
 - cervical diskography: a contribution to etiology and mechanism of neck, shoulder, and arm pain (ab), Ralph B. Cloward, Oct., 674
 - significance of survey films (plain views) of lumbar spine in lumbar intervertebral disk prolapse (ab), H. G. Stössel et al, July, 159
 - physiology
 - absence of motion at fourth and fifth lumbar interspaces in patients with and without low-back pain (ab), Merrill C. Menser and Gene Duvall, July, 159
 - tumors
 - chordoma (ab), B. W. Windeyer, Nov., 851
 - osteoid osteoma of spine: cause of backache and scoliosis in children and young adults, Robert H. Freiberger, Aug., 232
 - sacrococcygeal and vertebral chordomas and their treatment (ab), Hugo Rosenqvist and Georg-Fredrik Saltzman, July, 145
 - wounds and injuries
 - evaluation of cervical spine in whiplash injuries, Herbert R. Zatzkin and Frank W. Kveton, Oct., 577
 - radiologic aspects of moderately severe cervical spine trauma (ab), Martin S. Abel, July, 158
 - SPINNAKER SAIL SIGN.** See Emphysema, mediastinal
 - SPIVACK, ALFRED P.** See CARROLL, HAROLD W.
 - SPLEEN**
 - effect of post-irradiation bone-marrow treatment on rat spleen nucleic acids (ab), R. M. Iannarino and M. Benenbom, Oct., 690
 - value of bone marrow and spleen cell suspensions for survival of lethally irradiated dogs (ab), Robert D. Sullivan et al, Aug., 345
 - visualization of spleen in man by radioisotope scanning, James W. Winkelman, Henry N. Wagner, Jr., John G. McAfee and James M. Mozley, Sept., 465
 - SPOCK, ALEXANDER:** Transient synovitis of the hip joint in children (ab), Nov., 853
 - SPONGE KIDNEY.** See Kidneys, cysts
 - SPRADLEY, CHARLES G.** See OLIVA, VINCENT S.
 - SPURCK, R. P.** See SALZMAN, E.
 - STABERT, CH.** See PECKER, J.
 - STABINS, SAMUEL J., TRISTAN, THEODORE A., and WATSON, JAMES S., Jr.:** The use of cineradiography in upper gastrointestinal disturbances (ab), Oct., 607
 - STANBRO, WILLIAM W.** See McCUNE, WILLIAM S.
 - STANTON, LEONARD:** Problems of developing a film method for regularly checking radiation output of x-ray machines, Sept., 416
 - STATURE.** See Height
 - STECHER, GISELA.** See SULLIVAN, ROBERT D.
 - STEEGMANN, A. THEODORE.** See DEMIR, REMZI
 - STEERE, A. C.** See LIKINS, R. C.
 - STEIM, H., and DOLL, E.:** Intraosseous hemorrhages in hemophilia (ab), Oct., 673
 - STEIN, GEORGE N., and FINKELSTEIN, ARTHUR:** Hiatal hernia: roentgen incidence and diagnosis (ab), Dec., 988
 - See ROTH, JAMES L. A.
 - STEIN, JOSEPH.** See UNGER, SOL M.
 - STEIN, JUSTIN J.** See OTTOMAN, RICHARD E.
 - STEIN, Y.** See IZAK, G.
 - STEINBACH, HOWARD L., KOLB, FELIX O., and CRANE, JACKSON T.:** Unusual roentgen manifestations of osteomalacia (ab), Sept., 499
 - STEINBERG, ISRAEL:** Dilatation of the aortic sinuses in the Marfan syndrome: roentgen findings in five new cases (ab), Dec., 980
 - Huge osteoma of the eleventh left rib (ab), July, 160
 - FINBY, NATHANIEL, and EVANS, JOHN A.: A safe and practical intravenous method for abdominal aortography, peripheral arteriography, and cerebral angiography (ab), Sept., 494
 - STEINER, R. E.** See LAWS, J. W.
 - STEINICKE, O., and ROELSGAARD, M.:** Radiography of stomach in hypertrophic pyloric stenosis in acute phase and the first few months after surgical or spasmolytic treatment (ab), Oct., 667
 - STEPHENSON, SAM E., Jr.** See BYRD, BENJAMIN F., Jr
 - STERILITY**
 - sterility after radiodine therapy for metastatic thyroid carcinoma (ab), Huldrick Kammer and Morton J. Goodman, Dec., 997
 - STERLING, WILLIAM R.** See GREENFIELD, ROBERT E.
 - STERN, WILHELM Z.** See SHAPIRO, JEROME H.
 - STERNBERG, STEPHEN S.** See SULLIVAN, ROBERT D.
 - STERNHILL, VERNON, and SCHWARTZ, SOLOMON:** Effect of Hypaque on mouse peritoneum, Nov., 811
 - STERNUM**
 - episternal bones: case, Webster H. Brown, July, 116
 - radiologic aspects of some sternal lesions (ab), Y. Saudan, Aug., 326
 - syndrome featuring defects of heart, sternum, diaphragm, and anterior abdominal wall (ab), I. Hunter Crittenden et al, July, 147
 - STEROIDS**
 - See also Adrenocortical Preparations
 - idiopathic pulmonary hemorrhage in pregnancy: case suggesting early pulmonary hemosiderosis with clinical recovery after steroid therapy (ab), Victor Gurewich and Martin A. Thomas, Oct., 639
 - STEVENS, G. M., THOMAS, S. F., and WILBUR, B. C.:** Intra-aortic nitrogen mustard for the palliation of advanced pelvic cancer, Dec., 948
 - STEWART, D.** See DAVIES, J.
 - STICKLER, E. E., and FARR, L. E.:** Design and performance of field-defining apertures for neutron capture therapy, Oct., 602
 - STÖSSEL, H. G., FASSBENDER, C. W., and HÄUSSLER, G.:** Significance of survey films (plain views) of the lumbar spine in lumbar intervertebral disk prolapse (ab), July, 159
 - STOMACH**
 - See also Digestive System; Gastrointestinal Tract
 - incarceration of stomach in an inguinal hernia; case (ab), Arthur G. Ship et al, Nov., 847
 - radioactive phosphorus (^{32}P) studies in transplanted carcinoma. II. Total P^{32} turnover in transplanted mammary carcinoma, inflammatory granuloma, and normal stomach tissue of ZBC mice (ab), Donald B. Shaham, Aug., 339
 - anatomy. See Stomach, physiology
 - cancer
 - analysis of motility in carcinomatous stomach (ab), G. Wilhelm and J. Schaaf, Aug., 319
 - gastric cardia and fundus: extrinsic and benign tissues simulating gastric cancer, Edwin L. Dame, Nov., 703
 - lesions of cardiac end of stomach simulating carcinoma (ab), George T. Wohl and Leah Shore, Nov., 847
 - pernicious anemia and gastric carcinoma (ab), M. Siurala et al, July, 153
 - cardiospasm
 - cardiospasm after pharyngo-esophageal resection: case (ab), Claude Bloch and Walter H. Jacobs, Dec., 984
 - diverticula
 - gastric pseudodiverticulum secondary to pancreatic pseudocyst (ab), Peter J. Kapo, July, 153
 - foreign bodies
 - bezoar and its potential imitator (ab), Webster H. Brown and Frank W. Davis, Jr., Oct., 668
 - trichobezoar and gastric ulcer (ab), Enrique Schwarz, Dec., 985
 - motility. See Stomach, cancer
 - mucosa
 - sign of the burnous, Christian V. Cimmino, Nov., 722
 - obstruction. See Intussusception
 - perforation
 - perforation of stomach due to retroperitoneal neurinoma; case (ab), J. Róka and L. Holczinger, Aug., 320
 - physiology
 - anatomical and functional basis of gastroesophageal reflux as seen radiologically (ab), E. Zdziensky, Aug., 318
 - significance of esophagogastric angle for physiology and pathophysiology of cardia (ab), M. Rossetti, Oct., 667
 - roentgenography. See also other subheads under Stomach
 - increased distance between diaphragm and gastric fundus on roentgen picture: cause and simulation (ab), F. Longin and R. Schehl, Nov., 846

- STOMACH, roentgenography**—*cont.*
 —lesions of cardiac end of stomach simulating carcinoma (ab), George T. Wohl and Leah Shore, Nov., 817
 —psychosomatic approach to recurrent abdominal pain in childhood, with particular reference to x-ray appearances of stomach (ab), Sv. Heinild et al., Dec., 984
 —radiography of stomach in hypertrophic pyloric stenosis in acute phase and the first few months after surgical or spasmolytic treatment (ab), O. Steinicke and M. Roelsgaard, Oct., 667
surgey
 —cine-roentgenographic studies of gastrointestinal motility in healthy subjects and in patients with gastric or duodenal ulcer, with special reference to various methods of gastrectomy and dumping syndrome (ab), S.-O. Liljedahl et al., July, 152
tumors
 —benign gastric neoplasms (ab), A. R. Watson et al., Sept., 495
 —leiomyosarcoma of stomach; 10 cases (ab), Peter M. Masley, Aug., 320
 —primary lymphosarcoma of stomach (ab), Charles C. Wolforth Jr., et al., Oct., 678
ulcers. See Peptic Ulcer
STORER, JOHN, and **GOODSITT, EDWARD**: Anaplastic carcinoma of the larynx occurring in a young woman (ab), Sept., 487
STREPTOKINASE-STREPTODORNASE
 —use of Variadase during radiation therapy of head and neck tumors, Frank Gearing, Paxton Powers and George Cooper Jr., July, 121
STRICKLAND, BASIL: The value of arteriography in the diagnosis of bone tumours (ab), Sept., 499
STROBER, MURRAY. See LYONS, HAROLD A.
STRONTIUM, RADIOACTIVE. See Radioactivity, radioactive strontium
STUART, J. R. See DUNBAR, J. S.
STURTEVANT, HARWOOD N., and **KNUDSON, HARRIS W.**: Bronchiolar ectasia: a report of twelve cases (ab), Dec., 975
 —See PARKER, GERALD W.
SULFUR, RADIOACTIVE. See Radioactivity, radiosulfur
SULLIVAN, M. E., **MARKS, S.**, **HACKETT, P. L.**, and **THOMPSON, R. C.**: X-irradiation of the exteriorized or in situ intestine of the rat (ab), Oct., 688
SULLIVAN, ROBERT D., **STECHER, GISELA**, and **STERNBERG, STEPHEN S.**: Value of bone marrow and spleen cell suspensions for survival of lethally irradiated dogs (ab), Aug., 345
SUNBURY, T. R. See WATSON, A. R.
SUSSMAN, BERNARD J., and **FITCH, THOMAS S. P.**: Thrombolytic with fibrinolysis in cerebral arterial occlusion: the role of angiography (ab), July, 142
SUTTON, GEORGE C., and **BURKHEAD, HOWARD C.**: Inexpensive device for rapid injection of contrast material, Aug., 292
 —See MESZAROS, WILLIAM T.
SUYAMA, KEIJI. See MITSUYA, HIDEO
SVIEN, HENDRICK J., and **PESERICO, LUIGI**: Occlusion of the third ventricle by tortuous, bulbous, calcified basilar artery (ab), Oct., 654
SVOBODA, MILAN. See JEŽKOVÁ, ZDENKA
SWAIN, ROBERT W. See ANDREWS, J. ROBERT
SWALLOWING. See Deglutition
SWANN, G. F. See PRIBRAM, H. F. W.
SWANSON, HAROLD A. See SCOTT, WENDELL G.
SWARM, RICHARD L. See ANDREWS, J. ROBERT
SWEANY, SANFORD K. See MOSS, WILLIAM T.
SWEARINGEN, ALFRED G. See GREEN, ALLAN E., Jr.
SWENSON, ORVAR, and **DAVIDSON, FRANKLIN Z.**: Similarities of mechanical intestinal obstruction and aganglionic megacolon in the newborn infant. A review of 64 cases (ab), Nov., 848
SYKES, MARGUERITE P., **CHU, FLORENCE C. H.**, and **WILKERSON, WILLIAM G.**: Local bone-marrow changes secondary to therapeutic irradiation, Dec., 919
SYNCHONDROSIS. See Sphenoid Bone
SYNOVIAL MEMBRANE
 —transient synovitis of hip joint in children (ab), Alexander Spock, Nov., 853
SYNOVITIS. See Synovial Membrane
SYRINGOMYELIA
 —cervical spinal canal in syringomyelia (ab), C. E. C. Wells et al., Oct., 657
 —gas myelographic studies in syringomyelia (ab), Gösta Klefberg and Georg-Fredrik Saltzman, July, 161
- T
- TABER, KENNETH W.** See LONTOK, RUDOLFO M.
TACHYCARDIA. See Heart, rate
TÄNZER, A.: Hemangioma of the base of the cranium and its congenital characteristics (ab), Sept., 485
TAKAGI, H. See KLAAPROTH, H. J.
TAKAGI, TIMOTHY, **PEASLEY, E. D.**, **MCKEEL, M. F.**, and **WILKERSON, J. L.**: Aortic dissection due to translumbar aortography, with recovery following surgery (ab), Oct., 663
TAKAYASU'S DISEASE. See Arteries, occlusion
TALUS. See Astragalus
TAMPONADE. See Heart, tamponade
- TAPIOVAARA, J.** See SIURALA, M.
TAPLEY, NORAH duV., **EVANS, ROBERT A.**, **KLIGERMAN, MORTON M.**, and **JACOX, HAROLD W.**: Carcinoma of the tonsillar area: factors influencing the results of treatment (ab), Aug., 331
TARLETON, GADSON J. Jr., **CRUMP, E.**, **PERRY, and HORTON, CARRELL P.**: Growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length, skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and some economic status, Dec., 932
TASCHDJIAN, CLAIRE L. See KOZINN, PHILIP J.
TATELMAN, MAURICE L. See Pathways of cerebral collateral circulation, Sept., 349
TAVERAS, JUAN M., and **POSEK, CHARLES M.**: Roentgenologic aspects of cerebral angiography in children (ab), July, 141
TAYLOR, C. F., and **SMILEY, W. A., Jr.**: Radiopaque drains. Marking soft rubber drains for x-ray visualization (ab), Aug., 331
TAYLOR, LAURISTON S., honored, Oct., 643
TAYLOR, WILLIAM N.: Tumors of the kidney pelvis (ab), Aug., 329
TECHNICIANS. See American Registry of X-Ray Technicians
TEDESCHI, M. See MOLINATTI, G. M.
TEETH
 —observations on dose from dental x-ray procedures, with note on radiography of nasal bones (ab), G. M. Ardran and H. E. Crooks, July, 169
 —radiation hazards from medical and dental uses of x-ray (ab), James B. Douglas, Aug., 344
TEIXEIRA, JESSE, and **TEIXEIRA, L. C. VIEIRA**: Bronchography without oil and iodine—the use of barium as a contrast medium (ab), July, 144
TEIXEIRA, L. C. VIEIRA. See TEIXEIRA, JESSE
TELANGIECTASIS
 —hereditary hemorrhagic telangiectasia and pulmonary arteriovenous fistula: survey of a large family (ab), Corrin H. Hodgson et al., July, 149
 —note on radiation telangiectases (ab), William B. Bean, Aug., 342
TELETERAPY. See Radioactivity, radioiodine; Radioactivity, radionuclides
TELEVISION
 —radiation from television receivers, National Committee on Radiation Protection and Measurements, July, 122
TEMPERATURE
 —factors influencing radioprotective action of cysteine: effects in Escherichia coli due to drug concentration, temperature, time, and pH (ab), Henry I. Kohl and Shirley E. Gunter, Oct., 690
TEMPLETON, ARCH W.: Colon sphincters simulating organic disease, Aug., 237
TEMPLETON, F. E.: Gastrointestinal radiology (ab), July, 151
TEMPORAL BONE
 —tumors of temporal bone (ab), Piero Meda et al., Sept., 485
TERATOMA. See Tumors, teratoma
TER-POGOSSIAN, MICHEL, and **LEDIN, SVEN**: Uranium x-ray grids, Nov., 797
TERRY, C. W. See DAVIES, J.
TESKEREDZIĆ, D.: Report of a case of tracheal bronchus (ab), Sept., 491
TESTA, G. F., and **De MICHELI, G.**: Pathogenesis and roentgen manifestations of gastroduodenal intussusception (ab), Dec., 985
TESTES
 —diagnosis and treatment of tumors of testis (ab), John F. Patton et al., Oct., 680
TETRALOGY OF FALLOT. See Heart, abnormalities
TETTI, A., and **VALENTI, C.**: Internal mammary phlebography (ab), Dec., 982
THEANDER, GEORG: Contrast medium precipitate in the human gallbladder (ab), Aug., 323
THIOURACIL
 —effect of pretreatment with methythiouracil on results of I-131 therapy (ab), James Crooks et al., Nov., 859
THOMAS, E. DONNALL. See FERREBEE, JOSEPH W.
THOMAS, LOUIS B. See HILBISH, THEODORE F.
THOMAS, MARTIN A. See GUREWICH, VICTOR
THOMAS, S. F. See STEVENS, G. M.
THOMPSON, MALCOLM. See HORLER, A. R.
THOMPSON, NOEL: Carcinoma of bladder (ab), Sept., 508
THOMPSON, R. C. See SULLIVAN, M. F.
THOMSON, J. L. G.: Aneurysm of the vein of Galen (ab), Aug., 308
THORACIC DUCT
 —chylorax: a complication of translumbar aortography, Ferris E. Cook, Jr., Robert A. Flaherty, Charles L. Willmarth and Paul R. Langelier, Aug., 251
 —puncture of thoracic lymph duct with chylorax: a rare complication of aortography, Enrique Schwarz, Aug., 248
THORAEUS, R. See HULTBERG, S.
THORAX
 See also Bronchi; Chylorax; Heart; Lungs; Mediastinum; Ribs, etc.
 —total thoracic irradiation combined with intravenous injection of autogenous marrow (ab), K. A. Newton, Nov., 865
cancer. See Esophagus, cancer; Lungs, cancer

THORAX—cont.**roentgenography**

—reduced gonadal irradiation in prenatal chest examinations (ab), Lewis E. Etter et al., Dec., 997

surgery

—radioopaque drains: marking soft rubber drains for x-ray visualization (ab), C. F. Taylor and W. A. Smiley, Jr., Aug., 331

THORIUM

—effect of x-rays, grenz rays, thorium-X, and radioactive phosphorus on superficial mycotic agents (ab), Samuel Monash and Frank J. Roth, Jr., Aug., 348

—definitive treatment of the post-thrombotic syndrome: use of venograms to differentiate and delineate surgical treatment (ab), Gerald H. Pratt, Nov., 845

cardiac

—angiographic study of atrial thrombi with surgical-pathological correlation (ab), Harold A. Lyons et al., July, 146

cerebral

—thrombolysis with fibrinolysin in cerebral arterial occlusion: role of angiography (ab), Bernard J. Sussman and Thomas S. P. Fitch, July, 142

popliteal

—angiographic demonstration of tumor thrombus in popliteal vein: case (ab), C. Lagergren et al., Sept., 494

THYMIDINE

—proliferation dynamics of blood cell formation, autoradiographically examined with tritium-labeled thymidine (ab), T. M. Fliedner et al., Sept., 513

THYMUS

—acute atrophy of thymus induced by adrenocorticosteroids, observed roentgenographically in living human infants: preliminary report (ab), John Caffey and Charles di Liberti, Sept., 492

—loculated pneumomediastinum in the newborn: a thymic "spinnaker sail" sign, John E. Moseley, Nov., 788

irradiation

—incidence of neoplasia after irradiation of thymic region (ab), Howard B. Latourette and Fred J. Hodges, Sept., 514

THYROID

See also Goiter

—experience with the in vitro erythrocyte uptake of I^{131} -labeled *l*-triiodothyronine in a routine clinical laboratory (ab), Leonard R. Robbins, Aug., 337

cancer

—sterility after radioiodine therapy for metastatic thyroid carcinoma (ab), Huldrick Kammer and Morton J. Goodman, Dec., 997

diseases

—case study of peculiar soft-tissue and bony changes in association with thyroid disease (ab), Lionel R. King et al., Aug., 330

—in vitro uptake of P^{32} by red blood cells in thyroid disease (ab), Helen E. A. Farran et al., Aug., 338

—use of radioactive iodine in diagnosis of thyroid disorders (ab), A. W. G. Goolden, July, 166

function. See also Thyroid, diseases

—defect of iodinating system in congenital goitrous cretinism; case with biochemical studies (ab), Heskel M. Haddad and J. B. Sidbury, Jr., Sept., 512

—elevated thyroidal I^{131} uptake in absence of goiter in isolated Venezuelan Indians (ab), Marcel Roche, Sept., 512

—failure of diethylstilbestrol to affect thyroidal accumulation and renal clearance of I^{131} (ab), J. Thomas Dowling et al., Aug., 336

—thyroid function measured by in vitro erythrocyte uptake (red-cell uptake) of I^{131} -labeled *l*-triiodothyronine; results of 133 determinations (ab), O. Peter Schumacher and John W. King, Nov., 860

—two-hour uptake of iodine 131 by thyroid, A. Raventos, John Hale and R. H. Chamberlain, Sept., 446

hormones

—autoradiographic localization of thyroid hormones in organs and tissues of rat (ab), Renato Baserga, Oct., 682

hyperthyroidism

—effect of pretreatment with methyliouracil on results of I^{131} therapy (ab), James Crooks et al., Nov., 859

—effect of thyrotropic hormone on accumulation of radioactive iodine in thyrotoxicosis (ab), A. W. G. Goolden, Aug., 336

—radioiodine in treatment of hyperthyroidism: a 7-year evaluation (ab), Sidney Rubenfeld et al., Aug., 337

—rational dosage in I^{131} treatment of hyperthyroidism, Sidney Rubenfeld, Anthony Kohn, Martin Lowenthal, Nathan Mitchell and S. Stephen Brodie, Aug., 276

—thyrotoxicosis treated with small repeated doses of radioiodine (ab), Elmer L. DeGowin et al., Oct., 682

—total-body radiation and dose to the ovaries from a therapeutic dose of iodine 131 (ab), H. E. Duggan et al., Oct., 682

—treatment of toxic nodular goiter with radioactive iodine (ab), B.-A. Lamberg et al., Dec., 995

hypothyroidism. See Cretinism; Myxedema

tumors

—radioiodine in evaluation of thyroid nodule (ab), Robert E. Mack and Leroy F. Ortmeyer, Oct., 681

THYRONINE

—experience with the in vitro erythrocyte uptake of I^{131} -labeled *l*-triiodothyronine in a routine clinical laboratory (ab), Leonard R. Robbins, Aug., 337

—thyroid function measured by in vitro erythrocyte uptake (red-cell uptake) of I^{131} -labeled *l*-triiodothyronine; results of 133 determinations (ab), O. Peter Schumacher and John W. King, Nov., 860

THYROTOXICOSIS. See Thyroid, hyperthyroidism**TIME-INDICATING DEVICE.** See Roentgen Rays, apparatus**TIMERS AND TIMING DEVICES.** See Roentgen Rays, apparatus**TIN FILTERS.** See Roentgen Therapy**TINDALL, G. T.** See MARGOLIS, G.**TISSUE**

—autoradiographic detection in tissues of tubercle bacilli labeled with acetate- I^{14} (ab), A. Allegranza et al., Oct., 685

—calorimetric measurements of bone/tissue absorption ratios, Paul N. Goodwin, July, 112

—effects of dose-rate and protraction: a symposium, III. Problems of injury and repair in tissues and cells: a review (ab), G. Payling Wright, July, 170

—extent of nonspecific background localization of radioiodinated serum proteins in human tumor and normal tissues (ab), Eugene D. Day and Ahsen Özarda, Oct., 683

—radiation and borrowed tissues (ed), Richard H. Chamberlain, July, 123

—vascular-extravascular exchange of I^{131} plasma proteins in the rat (ab), William C. Dewey, Aug., 338

culture. See Bones, marrow

TOBACCO

—vascular measurements of smokers and nonsmokers: differences seen in postero-anterior roentgenograms made with patients standing erect (ab), Josue Pagan-Carlo, Dec., 974

TOM, M. I. See LAMPERT, P.**TOGRAPHY.** See Body-Section Roentgenography**TONGUE**

—cineradiographic study of postresectional alterations in oropharyngeal physiology (ab), Donald P. Shedd et al., Nov., 843

—glossopharyngeal neuralgia and ossification of stylohyoid ligament (ab), Carl J. Graf, Aug., 308

TONSILS**cancer**

—carcinoma of tonsillar area: factors influencing results of treatment (ab), Norah duV. Tapley et al., Aug., 331

TOPALOW, JOVTSCHO B. See GOSPODINOW, GOSPODIN I.**TORI, GIULIO, and GARUSI, GIANFRANCO:** Congenital absence of right pulmonary artery with patent ductus arteriosus and auricular septal defect. Angiocardiographic diagnosis (ab), July, 148

TRACHEA

—bronchographic observations on alterations of tracheobronchial tree in congenital angiofibropathies (ab), P. C. Gamalero et al., Sept., 491

—tracheal bronchus: case (ab), D. Teskeredžić, Sept., 491

pathology

—tracheopathia chondro-osteopatrica: case (ab), E. J. Green and W. Wilson, Oct., 661

—tracheopathia osteoplastica (ab), John S. Shuttleworth et al., Dec., 977

tumors

—clinical diagnosis of tracheal adenoma (cylindroma); case (ab), A. Irwin Kleinman and Ida Levine, Oct., 661

TRACHEOPATHIA CHONDRO-OSTEOPATICA. See Trachea, pathology

TRACHEOPATHIA OSTEOPLASTICA. See Trachea, pathology

TRAUMA. See Abdomen; Blood Vessels; Head; Hyperostosis, etc.

TRICHOZOAROZ. See Stomach, foreign bodies

TRIOLEIN

—effect of triton on triolein I^{131} distribution in atherosclerotic rabbit tissues (ab), Sanford O. Byers et al., Sept., 513

—localization and retention of triolein I^{131} in various tissues of the atherosclerotic rabbit (ab), Leland Felton et al., Aug., 338

—use of I^{131} -labeled fat in study of lipid handling in patients with coronary artery disease (ab), Robert H. Seller et al., July, 167

TRISTAN, THEODORE A. See STABINS, SAMUEL J.

TRITIUM'

—proliferation dynamics of blood cell formation, autoradiographically examined with tritium-labeled thymidine (ab), T. M. Fliedner et al., Sept., 513

TRITON

—effect of triton on triolein I^{131} distribution in atherosclerotic rabbit tissues (ab), Sanford O. Byers et al., Sept., 513

TROPICAL DISEASES

—roentgenographic appearance of eosinophilic lung (tropical eosinophilia) (ab), F. Y. Khoo and T. J. Danaraj, Dec., 977

TRYPARASITIASIS

—gastrointestinal involvement in Chagas' disease (ab), Luis C. Fonseca, Dec., 986

TSAKIROS, A., SCHABER, F., and BÜHLMANN, A.: Clinical aspects and pathophysiology of isolated congenital pulmonary stenosis (ab), Oct., 664

TUBERCLE BACILLI

—autoradiographic detection in tissues of tubercle bacilli labeled with acetate- I^{14} (ab), A. Allegranza et al., Oct., 685

TUBERCULIN REACTION

- relation of antecedent tuberculosis to bronchogenic carcinoma: study of tuberculin test, radiologic and pathologic evidence (ab), E. C. Meyer et al., Aug., 310
- TUBERCULOSIS.** See Fallopian Tubes; Intestines; Tuberculosis, Pulmonary; Uterus
- TUBERCULOSIS, PULMONARY**
 - bronchogenic cysts in patients presumed to have pulmonary tuberculosis (ab), Neil C. Andrews et al., Aug., 310
 - functional stenosis due to bronchial angulation (ab), C. H. Nicholson et al., Aug., 311
 - cancer and tuberculosis**
 - relation of antecedent tuberculosis to bronchogenic carcinoma: study of tuberculin test, radiologic and pathologic evidence (ab), E. C. Meyer et al., Aug., 310
 - value of tomography in management of pulmonary tuberculosis: review of 1,276 tomograms of 930 patients (ab), V. V. S. Pratapa Rao, Dec., 975

TUDWAY, R. C., and FREUNDLICH, H. F.: The use of cobalt 60 beam unit for the treatment of carcinoma of the larynx (ab), Dec., 995

TULANE UNIVERSITY, Department of Radiology: Oct., 643

TULLY, JOHN B. See CHESTER, MARTIN H.

TULSKY, EMANUEL G., CHEN, JEN-TI, and FINKELSTEIN, ARTHUR: Photoconductance crystals for intracavitary dosimetry, July, 98

TUMORS

- See also Cancer; Sarcoma; and under organs and regions
- effects of dose-rate and protraction: a symposium. I. Patterns of response to whole-body irradiation: effect of dose intensity and exposure time on duration of life and tumor production (ab), R. H. Mole, July, 170
- extent of nonspecific background localization of radioiodinated serum proteins in human tumor and normal tissues (ab), Eugene D. Day and Ahsen Özarda, Oct., 683

adenoma. See also Trachea, tumors

- upper gastrointestinal tract alterations in adenomatosis of endocrine glands, Ralph Schlaeger, Marjorie LeMay and Paul Wermer, Oct., 517

angioma. See also Telangiectasis

- angioma of cervical spinal cord: case, Leon Morris, Nov., 785
- angiomas of spinal cord (ab), G. Lombardi and F. Migliavacca, Oct., 675
- hemangioma of base of cranium and its roentgen characteristics (ab), A. Tänzer, Sept., 485

- hemangioma of jaws: review of literature and report of case (ab), Howard W. Smith, Sept., 485
- treatment of hemangiomas in children with strontium 90 (ab), E. Frey, Sept., 512

chordoma

- chordoma (ab), B. W. Windeyer, Nov., 851
- intracranial chordoma, Remzi Demir and A. Theodore Stegmann, Sept., 484

- sacrooccygeal and vertebral chordomas and their treatment (ab), Hugo Rosenqvist and Georg-Fredrik Saltzman, July, 165

cylindroma. See Trachea, tumors

dermoid

- intracranial epidermoid and dermoid tumors (ab), Franklin J. Keville and Burton L. Wise, July, 143

epidermoid

- intracranial epidermoid and dermoid tumors (ab), Franklin J. Keville and Burton L. Wise, July, 143

experimental

- localization of radioiodinated rat fibrinogen in transplanted rat tumors (ab), Eugene D. Day et al., Aug., 338

- radioactive phosphorus (P^{32}) studies in transplanted carcinoma. I. Incorporation of P^{32} measured by surface activity in Walker carcinoma and normal tissues of albino rats (ab), Donald B. Shahon, Aug., 338

- radioactive phosphorus (P^{32}) studies in transplanted carcinoma. II. Total P^{32} turnover in transplanted mammary carcinoma, inflammatory granuloma, and normal stomach tissue of ZBC mice (ab), Donald B. Shahon, Aug., 339

fibroadenoma

- fibroadenoma of gallbladder: case with cholecystographic visualization (ab), Seymour F. Ochsner and G. M. Carrera, Oct., 673

fibroma

- non-osteogenic fibroma of bone (ab), W. M. Purcell and F. Mulcahy, Nov., 851

glioma

- roentgenologic manifestations of glioma of optic nerve and chiasm (ab), Colin B. Holman, Sept., 487

- hemangiopericytoma: report of 4 cases with review of literature (ab), Zuheir Mujahed et al., Sept., 510

- in animals. See also Tumors, experimental

- late effects of fast neutrons versus x-rays in mice: nephrosclerosis, tumors, longevity (ab), Peter C. Nowell and Leonard J. Cole, Aug., 347

- studies on anemia of tumor-bearing animals. IV. Distribution of radioiron after extravascular injection of labeled erythrocytes (ab), Robert E. Greenfield et al., Nov., 863

leiomyoma. See Tumors, myoma

lymphoma

- lymphoma of G.I. tract (ab), A. J. Richards, Oct., 667

melanoblastoma. See Tumors, melanoma

melanoma

- primary malignant melanoma of vagina (ab), Donald R. Freund et al., July, 165

- studies of radioactive phosphorus uptake in diagnosis of intraocular and cutaneous melanoma (ab), Kelvin Lidgett et al., Oct., 684

- therapy and prognosis of melanoblastoma (ab), Paul Hess, Sept., 509

mixed

- carcinosarcoma of esophagus (ab), C. J. B. Muller, July, 151

myeloma. See also Bones, marrow

- osteosclerotic changes in myelomatosis: case (ab), Olle Odberg-Johnson, July, 158

myoma

- leiomyoma of diaphragm (ab), Jesse H. Meredith and H. H. Bradshaw, July, 156

- leiomyoma of esophagus (ab), Allen E. Green, Jr., et al., Nov., 846

nephroblastoma. See Kidneys, tumors

neurinoma

- neurilemmoma of bone: report of 3 cases with review of literature, Thomas G. Samter, Frank Vellosio and William G. Shafer, Aug., 215

- perforation of stomach due to retroperitoneal neurinoma: case (ab), J. Röka and L. Holzinger, Aug., 320

- roentgen diagnosis of acoustic neurinoma (ab), W. Schlundbaum, Aug., 308

neurofibroma

- atlanto-occipital fusion, basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningocele, and von Recklinghausen's disease, Arthur Zacks, Aug., 223

osteoma

- huge osteoma of eleventh left rib (ab), Israel Steinberg, July, 160

- osteoid osteoma of spine: cause of backache and scoliosis in children and young adults, Robert H. Freiburger, Aug., 232

- roentgen appearance of benign osteoblastoma, Rubem Pocheaczewsky, Ying Ming Yen and Robert S. Sherman, Sept., 429

pheochromocytoma

- an extra-adrenal pheochromocytoma in a child, John W. Hope and Richard J. Golinko, Nov., 791

teratoma

- sacrooccygeal teratoma of fetus with special emphasis on prenatal diagnosis by radiology (ab), Vishnu Sarma and N. Nemiraja, Sept., 503

- teratoma of lung (ab), Fred C. Collier et al., July, 144

- teratoma of neck causing neonatal death: case, Ivan M. Woolley and Homer H. Harris, Sept., 456

Wilms'. See Kidneys, tumors

TURNER, VERNON C., and WURTZ, FLORA BROWN: Arthrography in the diagnosis of meniscal injuries of the knee: a correlation of the roentgenographic, clinical, and operative findings (ab), Aug., 327

TWINS

- coxa plana in monozygotic male twins (ab), Adolphus W. Dunn, Nov., 853

U

UDEL, MELVIN M. See KLEINFELD, MORRIS

ulcer

peptic. See Peptic Ulcer

varicose. See Varicose Veins

ULMER, D. D., PERKINS, L. B., and KERIAKES, J. G.: Alterations in iodine-131 distribution in the rat after whole-body x-irradiation (ab), Oct., 683

UMIKER, W., RAPP, R., LAMPE, I., and LATOURETTE, H. B.: Exfoliative cytology in radiotherapy of oral cancer: its use in the diagnosis of residual carcinoma, July, 107

UNGER, SOL M., ROSWIT, BERNARD, and STEIN, JOSEPH: Vocal cord paralysis: a roentgen diagnostic study, Nov., 741

UNITED NATIONS

- United Nations Scientific Committee on Effects of Atomic Radiation, July, 125

UNITS OF RADIATION

- use of rad in clinical practice: a contribution to a Symposium at the British Institute of Radiology, Nov. 20, 1958 (ab), C. W. Wilson, D. E. A. Jones and F. Ellis, July, 165

URANIUM

- environmental hazards associated with milling of uranium ore; summary report (ab), W. B. Harris et al., Sept., 516

- uranium x-ray grids, Michel Ter-Pogossian and Sven Ledin, Nov., 797

URETERS

See also Pyelography

- pelvi-ureteric junction: a cinepyelography study (ab), Howard G. Hanley, Oct., 675

achalasia. See Ureters, dilatation

- diagnostic value of pneumo-uretero-pyelography in nephroureterolithiasis (ab), A. Caffaratti and A. Morelli, Dec., 990

cysts

- pyelo-ureteritis cystica; 2 cases (ab), J. A. Veiga-Pires, Aug., 329

URETERS—CONT.

- dilatation
- achalasia of ureter, Earl Budin and Max Eichwald, Nov., 757
- fibrosis**
- retroperitoneal fibrosis: an anatomic and radiologic review with report of 4 new cases and an explanation of pathogenesis, Joseph Dineen, Thane Asch and John M. Pearce, Sept., 380
- reflux**
- one thousand retrograde pyelograms with manometric pressure records (ab), James A. Ross, Sept., 504

URETHRA

- some problems arising during micturating cystourethrogram (ab), Lockhard Fraim-Bell et al., Oct., 677

URICCHIO, JOSEPH F., SINHA, KAMPTA P., BENTIVOGlio, LAMBERTO, and GOLDBERG, HARRY: Study of combined mitral and aortic stenosis (ab), Aug., 314

URINARY TRACT

See also Bladder; Kidneys; Pyelography; Ureters

roentgenography

- application of tomography to urologic roentgenology (ab), E. Hajos, July, 162
- radiographic evaluation of urinary tract following urinary diversion to an ileal bladder (ab), James R. Jude et al., Dec., 989

URINATION

- some problems arising during micturating cystourethrography (ab), Lockhard Fraim-Bell et al., Oct., 677
- disorders**

- polydipsia and polyuria in x-irradiated rat (ab), Robert E. Kay and Cecil Enteman, Aug., 346

URINE

albumin. See Albuminuria

UROGRAPHY AND UROLOGY. See Ejaculation; Kidneys;

Pyelography; Urinary Tract

USHIDA, TAKAO. See MITSUYA, HIDEO

USON, AURELIO C. See LATIMER, JOHN K.

UTERUS**abnormalities**

- radiographic demonstration of uterine developmental abnormality as cause of abnormal lie of fetus (ab), M. G. F. Donnan, July, 162

cancer

- cervical carcinoma: cellular changes in vaginal and buccal smears after radiation: an index of radiosensitivity of carcinoma of cervix? (ab), Howard W. Jones, Jr., Sept., 508

- cervical carcinoma: improvement of therapeutic results in course of last 43 years (ab), Felix v. Mikulicz-Radecki, Nov., 858

- cervical carcinoma: interstitial radioactive colloidal gold therapy of lateral pelvic nodes (ab), William S. Baker, Jr., Nov., 861

- cervical carcinoma: treatment by supervoltage irradiation only: preliminary report (ab), H. M. Mellor, Nov., 858

- cervical carcinoma: use of bi-axial rotation therapy with cobalt 60: physical basis and application in treatment (ab), Roger Mathieu, Aug., 339

- effects of preoperative irradiation on adenocarcinoma of uterus (ab), Herbert E. Schmitz et al., Sept., 508

- lymphocysts: a complication of radical pelvic surgery (ab), Felix Rutledge et al., July, 161

- metastatic spread of corpus carcinoma, especially into vagina: means of prevention (ab), Heinrich G. Müller, Aug., 332

- therapeutic results in carcinoma of uterine cervix and corpus from 1948 until 1953 (ab), Hermann M. Buchacker, Nov., 859

cervix. See also Uterus, cancer

- cervix in hysterosalpingography (ab), H. E. Reiss, Aug., 328

tuberculosis

- hysterosalpingography in genital tuberculosis (ab), H. Kräubig, Sept., 503

tumors

- leiomyosarcoma of uterus with unusual metastases (ab), Ellery T. Drake and Glen D. Dobben, July, 165

UYEKI, EDWIN M., and SALERNO, PAUL R.: Some factors involved in the effect of x-irradiation on the phosphatase activity of hematopoietic tissues (ab), Aug., 344

V

VAGINA

- cellular changes in vaginal and buccal smears after radiation: an index of radiosensitivity of carcinoma of cervix? (ab), Howard W. Jones, Jr., et al., Sept., 508

- metastatic spread of corpus carcinoma, especially into vagina: means of prevention (ab), Heinrich G. Müller, Aug., 332

- primary malignant melanoma of vagina (ab), Donald R. Freund et al., July, 165

VALDES-DAPENA, A. See ROTH, JAMES L. A.

VALENTI, C. See TETTI, A.

VALSALVA SINUS. See Aneurysm, aortic

VANCE, JOHN W., GOOD, C. ALLEN, HODGSON, CORRIN H., KIRKLIN, JOHN W., and GAGE, ROBERT P.: The solitary circumscribed pulmonary lesion due to bronchogenic carcinoma: a 3-year follow-up study of 94 surgically treated patients (ab), July, 144

van den BREK, H. A. S. See LIDGETT, KELVIN
van der LINDEN, W., and HJELMSTEDT, A.: Spontaneous disappearance of gallstones (ab), July, 155
VAN EPPS, E. F. See ZELLWEGER, HANS

VANISHING LUNG. See Emphysema, pulmonary

VARICOSE VEINS

—clinical manifestations of primary varicose veins. II. An evaluation of incompetent communicating veins diagnosed by tilting phlebography (ab), Frits R. Mathiesen, Dec., 982

—lymphographic changes in lower limbs with varicose veins (ab), Sten Jacobsson and Sven Johansson, Dec., 983

—studies of ulceration and edema of lower extremity by lymphatic cannulation (ab), T. G. Blocker, Jr., et al., Nov., 654

VARIASE. See Streptokinase-Streptodornase

VASA VASORUM. See Aorta

VASILAS, ANTHONY. See MUJAHED, ZUHEIR

VASILI, SVERRE. See BOSHER, LEWIS H., JR.

VATER'S AMPULLA

—deformity of duodenal bulb caused by atypical localization of papilla of Vater (ab), K. Rosteck, Sept., 496

VATOPoulos, C., and COTSLIMBAS, D.: On ten cases of cerebral cysticercosis (ab), Nov., 841

VAUGHAN, B. F. See BEVERIDGE, B.

VEIGA-PIRES, J. A.: Pyelo-ureteritis cystica. A report of two cases (ab), Aug., 329

VEINS

See also Portal Vein; Venae Cavae

cerebral. See also Brain, blood supply

—variations in striate and other cerebral veins affecting measurements of "venous angle" (ab), B. Albert Ring, Oct., 655

communicating

—clinical manifestations of primary varicose veins. II. An evaluation of incompetent communicating veins diagnosed by tilting phlebography (ab), Frits R. Mathiesen, Dec., 982

Gaien's See Aneurysm, cerebral

mammary

—internal mammary phlebography (ab), A. Tetti and C. Valenti, Dec., 982

popliteal

—angiographic demonstration of tumor thrombus in popliteal vein; case (ab), C. Lagergren et al., Sept., 494

portal. See Portal Vein

pulmonary

—anomalous drainage of pulmonary veins into inferior vena cava: importance of planigraphic study, Walter Koch and Alfredo Silva, Oct., 592

—pathological mediastinal shadow in anomalous pulmonary venous drainage (ab), H. Warembourg et al., Oct., 664

renal

—phlebography of renal vein by way of left spermatic vein (ab), Gospodin I. Gospodinow and Jovtscho B. Topalow, Sept., 505

roentgenography. See Femur, fractures; Thrombosis; Veins; Cavae; other subheads under Veins; etc.

spermatic

—phlebography of renal vein by way of left spermatic vein (ab), Gospodin I. Gospodinow and Jovtscho B. Topalow, Sept., 505

striate. See Veins, cerebral

VELLIOS, FRANK. See SAMTER, THOMAS G.

VENAE CAVAE

—anomalous drainage of pulmonary veins into inferior vena cava: importance of planigraphic study, Walter Koch and Alfredo Silva, Oct., 592

—caval contrast radiography (ab), B. J. O'Loughlin, July, 146

—transspinal angiography of inferior vena cava (ab), Robert Schobinger, July, 146

—venography of inferior vena cava (ab), C. G. Helander and Å. Lindblom, Aug., 316

VENEZUELA

—elevated thyroidal I^{131} uptake in absence of goiter in isolated Venezuelan Indians (ab), Marcel Roche, Sept., 512

VENOGRAPHY. See Femur, fractures; Thrombosis; Veins; Cavae; etc.

VERAGUTH, P. See KÖNIG, M. P.

VERMOOTEN, VINCENT, MAXFIELD, J. R., Jr., and MAXFIELD, J. G. S.: Use of radioactive phosphorus in the management of advanced carcinoma of the prostate (ab), Aug., 339

VERMUND, HALVOR, and BENKENDORF, CHARLES. Radiation therapy in breast cancer (ab), Aug., 331

VERTEBRA. See Spine

VERSPIGNANI, LUIGI. Sponge kidney (observations in 9 cases) (ab), Dec., 689

VIAMONTE PUNCET, MANUEL. Nephrocalcinosis: clinicoradiological study (ab), July, 163

VICHI, GIANFRANCO, and CAVINA, CESARE. Thoracic roentgen transparency during asphyxic syndromes in infants (ab), Dec., 976

VICKERS, CHARLES W., KINCAID, OWINGS W., DUSHANE, JAMES W., and KIRKLIN, JOHN W.: Ventricular septal defect and severe pulmonary hypertension: radiologic considerations in selection of patients for surgery, July, 69

VIKTERLÖF, K. J. See HULTBERG, S.

VILLETT, D. DEG.: Volvulus of the proximal colon (ab), Oct., 670

- VIRTAMA, PEKKA:** Oral cholegraphy with Biliodon-Natrium capsules. An analysis of 96 cases (ab), Aug., 323
- VIRUSES**
—pulmonary infiltrations in adenovirus infections (ab), T. Wegmann et al., Oct., 660
- VISCERA**
—splanchnic siderosis; rare case (ab), G. Carta and F. Pirastu, Dec., 993
- VITAL CAPACITY**
—roentgenographic determination of total lung capacity: new method evaluated in health, emphysema and congestive heart failure (ab), Howard J. Barnhard et al., Dec., 974
- VITAMINS**
B₁₂
—absorption of radioactive B₁₂ in patients with pernicious anemia after long-term oral and parenteral therapy (ab), P. J. Fouts et al., Dec., 995
—intestinal absorption of liver-bound radiovitamin B₁₂ in patients with pernicious anemia and in controls (ab), P. G. Reizenstein and W. Nyberg, Aug., 340
- D**
—idiopathic hypercalcemia; case report with assays of vitamin D in serum (ab), David W. Smith et al., July, 158
- VLAKHOV, K., and KARPAROV, M.:** Bilateral pulmonary aspergillosis and pulmonary monilomas (ab), Nov., 844
- VOCAL CORDS**
—vocal cord paralysis: a roentgen diagnostic study, Sol M. Unger, Bernard Roswit and Joseph Stein, Nov., 741
- VOGEL, HOWARD H., Jr., and JORDAN, DONN L.:** The relative biological effectiveness of Co⁶⁰ gamma rays and fission neutrons: lethal effects on the 4-day chick embryo (ab), Oct., 684
- VOLK, EDITH.** See MARK, LLOYD K.
- VOLVULUS.** See Intestines, volvulus
- von SALLMANN, LUDWIG.** See WANKO, THEODOR
- VOS, O.** See de VRIES, M. J.
- VOSS, K. B.** See EDYE, BENJAMIN
- de VRIES, M. J., and VOS, O.: Delayed mortality of radiation chimeras: a pathological and hematological study (ab), Oct., 689
- W**
- WAGGENER, HUBERT U., MULDOON, JAMES P., and HEATON, J. RICHARD:** Asymptomatic tuberculous enteritis simulating carcinoma of the cecum (ab), Sept., 497
- WAGNER, HENRY N., Jr.** See McAFFEE, JOHN G.
- See WINKELMAN, JAMES W.
- WAHLBERG, P.** See LAMBERG, B. A.
- WAISBREN, BURTON R.** See BABBITT, DONALD P.
- WALDHAUSEN, JOHN A., LOMBARDO, CARLOS R., and MORROW, ANDREW G.:** Pulmonic stenosis due to compression of the pulmonary artery by an intraperitoneal tumor (ab), July, 148
- WALKER CARCINOMA.** See Tumors, experimental
- WALLENSTEN, S.** See LILJEDEHL, S.-O.
- WALSTAM, R.** See HULTBERG, S.
- WALTERS, M. N. I.** See BEVERIDGE, B.
- WALTHER, R., and BLASCHKE, B.:** Differential diagnosis in unilaterally increased transparency of the lungs, caused by congenital defects of the major pectoral muscle (ab), Aug., 309
- WANKO, THEODOR, von SALLMANN, LUDWIG, and GAVIN, MARY ANN:** Early changes in the lens epithelium after roentgen irradiation. A correlated light and electron microscopic study (ab), Oct., 687
- WAREMBOURG, H., BONTE, G., PAUCHANT, M., and CARON, J.:** The pathological mediastinal shadow in anomalous pulmonary venous drainage (ab), Oct., 664
- WASSON, W. WALTER,** recipient of Norlin Award, July, 125
- WATKINS, D. H.** See SALZMAN, E.
- WATSON, A. R., SUNBURY, T. R., and SPEED, TERRELL:** Benign gastric neoplasms (ab), Sept., 495
- WATSON, JAMES S., Jr.** See STABINS, SAMUEL J.
- WAYNE, E. J.** See CROOKS, JAMES
- WEBER, GEORGE, and CANTERO, ANTONIO:** Effect of x-irradiation on hepatic carbohydrate enzymes in control and hypophysectomized rats (ab), Nov., 865
- WEBER, JOHN M., LEWIS, SAMUEL, and HEASLEY, KENNETH H.:** Observations on the small bowel pattern associated with the Zollinger-Ellison syndrome (ab), Oct., 669
- WEBSTER, EDWARD W.:** Physical considerations in the design of facilities for the uniform whole-body irradiation of man, July, 19
- WEBSTER, J. E., GURDJIAN, E. S., LINDNER, D. W., and HARDY, W. G.:** Proximal occlusion of the anterior cerebral artery (ab), Dec., 972
- WECHSLER, HERMAN, RAPOPORT, BERNARD, and LUBIN, DAVID:** Method for direct copy of radiographs (ab), July, 164
- WEDGE FILTERS.** See Roentgen Therapy
- WEGENER'S GRANULOMATOSIS.** See Granulomatosis
- WEGMANN, T., KAUFMANN, G., and WIESMANN, E.:** Pulmonary infiltrations in adenovirus infections (ab), Oct., 660
- WEGST, AUDREY V.** See GARCIA, ANTONIO M.
- WEIGHT**
See also Intestines, mucosa
—growth and development. VIII. Relation of osseous development in newborn Negro infants to sex, weight, length,
- skin color, and reflex maturity index in the infant and to such maternal factors as parity, length of gestation period, prenatal nutrition, age, height, and socio-economic status, Gadson J. Tarleton, Jr., E. Perry Crump and Carroll P. Horton, Dec., 932
- WEIJER, DOROTHY L.** See DUGGAN, H. E.
- WEINSTEIN, M. S.** See HARRIS, W. B.
- WEISGLASS, HENRIK, FRANK, PAVAO, and MIŠKULIN, ANDJELA:** The effect of radioactive strontium on Escherichia coli OB-26 (ab), Dec., 996
- WELCH, JOHN S.** See MALKASIAN, GEORGE D., Jr.
- WELFORD, NORMAN T.:** Facial paralysis associated with osteopetrosis (marble bones). Report of a case of the syndrome occurring in five generations of the same family (ab), Oct., 656
- WELLS, C. E. C., SPILLANE, JOHN D., and BLIGH, A. S.:** The cervical spinal canal in syringomyelia (ab), Oct., 657
- WENT, L. N.** See GOLDING, J. S. R.
- WERMER, PAUL.** See SCHLAEGER, RALPH
- WEST, J. B.** See DYSON, N. A.
- WEST, JAMES W.** See GUZMAN, SANTIAGO V.
- WESTMAN, A.** See DICZFALUSY, E.
- WHIPLASH INJURIES.** See Neck, wounds and injuries
- WHIPPLE'S DISEASE.** See Intestines, diseases
- WHITEHOUSE, WALTER M.** See MARTEL, WILLIAM
- WHITESIDE, C. G.:** Biliopancreatic fistula: a new oral contrast medium for cholecystography. Report of preliminary trial (ab), Dec., 987
- WHITFIELD, A. G. W., and BOND, W. H.:** Prevention of radiation lung damage (ab), Aug., 343
- WICKBOM, INGMAR.** See BARTLEY, OSBORNE
- WIEDENMANN, O., and HIPP, E.:** Abnormal communications between the branches of the internal carotid artery and the basilar artery (carotid-basilar anastomosis) (ab), July, 142
- WIENER, HARRY.** See KOZIN, PHILIP J.
- WIESMANN, E.** See WEGMANN, T.
- WILBUR, B. C.** See STEVENS, G. M.
- WILHELM, G., and SCHAAF, J.:** Analysis of motility in the carcinomatous stomach (ab), Aug., 319
- WILKERSON, J. L.** See TAKARO, TIMOTHY
- WILKERSON, WILLIAM G.** See SYKES, MARGUERITE P.
- WILLIAMS, S. F.** See OLIVA, VINCENT S.
- WILLMARSH, CHARLES L.** See COOK, FERRIS E., Jr.
- WILLOX, ROBERT G.** See DREYFUSS, J. R.
- WILMS' TUMOR.** See Kidneys, tumors
- WILSON, C. W., JONES, D. E. A., and ELLIS, F.:** Use of the rad in clinical practice: a contribution to a symposium at the British Institute of Radiology, November 20, 1958 (ab), July, 165
- WILSON, W.** See GREEN, E. J.
- WILSON'S DISEASE.** See Lenticular Nucleus
- WINDEYER, B. W.:** Chordoma (ab), Nov., 851
- WINKELMAN, JAMES W., WAGNER, HENRY N., Jr., McAFFEE, JOHN G., and MOZLEY, JAMES M.:** Visualization of the spleen in man by radioisotope scanning, Sept., 405
- WINKELMAN, R. K.:** See AVILA, ROGELIO
- WINTER, CHESTER C.:** Further experiences with the radioisotope renogram (ab), Sept., 504
- MAXWELL, MORTON H., ROCKNEY, ROBERT E., and KLEEMAN, CHARLES R.: Results of the radioisotope renogram and comparison with other kidney tests among hypertensive persons (ab), Oct., 683
- WINTER, FRED S., and LEHMAN, J. STAUFFER:** Rotational cineradiography (ab), Aug., 330
- WISE, BURTON L.** See KEVILLE, FRANKLIN J.
- WITTEN, VICTOR H.:** The place of grenz radiation in dermatologic practice (ab), Dec., 993
- WOHL, GEORGE T., and SHORE, LEAH:** Lesions of the cardiac end of the stomach simulating carcinoma (ab), Nov., 847
- WOLF, BERNARD S., and MARSHAK, RICHARD H.:** Roentgen features of diffuse lymphosarcoma of the colon, Nov., 733
- “Toxic” segmental dilatation of the colon during the course of fulminating ulcerative colitis: roentgen findings (ab), Oct., 671
- WOLFERTH, CHARLES C., Jr., BRADY, LUTHER W., ENTERLINE, HORATIO T., and BLAKEMORE, WILLIAM S.:** Primary lymphosarcoma of the stomach (ab), Oct., 678
- WOLFSON, J. L., and GARRETT, C.:** Gonadal exposure dose to adults in diagnostic radiography (ab), Oct., 686
- WOOD, CONSTANCE A. P.:** Techniques and early results of treatment of carcinoma of the larynx and pharynx by supervoltage radiation (ab), Oct., 678
- WOODRUFF, J. H., Jr., and SIMONTON, J. H.:** Radiologic diagnosis in abdominal trauma (ab), Aug., 330
- WOODS, WILLIAM:** Impressions of the value of megavoltage irradiation in the treatment of malignant neoplasia (ab), Sept., 511
- WOODWARD, EDWARD, Jr.** See MOORE, CHARLES B.
- WOOLF, C. R.:** The diagnosis of emphysema: physical sign, a roentgenographic sign, and an oximeter test (ab), Sept., 488
- WOOLLEY, IVAN M.:** Automatic time-indicating device for use in radiography, Nov., 809
- and HARRIS, HOMER H.: Teratoma of the neck causing neonatal death. A case report, Sept., 456

WORK IN PROGRESS

Use of Varidase during radiation therapy of head and neck tumors, Frank Gearing, Paxton Powers and George Cooper, Jr., July, 121

Vascular injector with program selector, Kurt Amplatz, Dec., 955

Visualization of renal parenchyma by scintiscanning with Hg²⁰³. Neohydrin, John G. McAfee and Henry N. Wagner, Jr., Nov., 820

Visualization of spleen in man by radioisotope scanning, James W. Winkelman, Henry N. Wagner, Jr., John G. McAfee and James M. Mozley, Sept., 465

WORNING, B. See HEINILD, SV.

WORTZMAN, G. See DUNBAR, J. S.

See FRASER, ROBERT G.

WRIGHT, G. PAYLING: Effects of dose-rate and protraction: a symposium. III. Problems of injury and repair in tissues and cells: a review (ab), July, 170

WRIST

—seasonal distribution of initial appearance of postnatal ossification centers in hand and wrist of undernourished children (ab), Samuel Dreizen et al., Nov., 852

WURTZ, FLORA BROWN. See TURNER, VERNON C.

X

XENON. See Radioactivity, radioxenon

X-RAYS. See Roentgen Rays

Y

YANG, SZE-PIAO, HUANG, CHIN-TANG, CHENG, CHIN-SUNG, and CHIANG, LAN-CHANG: The clinical and roentgenological courses of pulmonary paragonimiasis (ab), Sept., 489

YEN, YING MING. See POCHACZEWSKY, RUBEM

YTTRIUM. See Radioactivity, radioyttrium

YURICK, BERNARD S., and OTTOMAN, RICHARD E.: Primary mediastinal choriocarcinoma, Dec., 901

Z

ZACKS, ARTHUR: Atlanto-occipital fusion, basilar impression, and block vertebrae associated with intraspinal neurofibroma, meningocele, and von Recklinghausen's disease, Aug., 223

ZATZKIN, HERBERT R., and KVETON, FRANK W.: Evaluation of the cervical spine in whiplash injuries, Oct., 577

zdansky, e.: Anatomical and functional basis of the gastroesophageal reflux as seen radiologically (ab), Aug., 318

ZELLWEGER, HANS, and VAN EPPS, E. F.: The cavum veli interpositi and its differentiation from cavum Vergae (ab), Nov., 840

ZHEUTLIN, NORMAN. See SHANBROM, EDWARD

ZIEGLER, JOHN. See JACOBY, JAY

ZINNER, G., and GOTTLÖB, R.: Comparison of the traumatic effect of different roentgen contrast media on the blood vessels (ab), Aug., 317

ZIPKIN, I. See LIKINS, R. C.

ZOLLINGER-ELLISON SYNDROME. See Pancreas, tumors

ZUHDI, NAZIH. See GREER, ALLEN E.

ZWEIFACH, B. W., KIVY-ROSENBERG, E., and NAGLER, ARNOLD L.: Resistance to whole-body x-irradiation in rats made tolerant to bacterial endotoxins (ab), Nov., 866

ZYLBERBERG, BERNARD, KASS, IRVING, and HOFFMAN, MURRAY S.: Atrial septal defect: experiences in the clinical evaluation of 15 consecutive cases of the secundum variety (ab), Sept., 492



